506
Am3141p

VOLUME 85 NUMBER 4

PROCEEDINGS OF THE AMERICAN ACADEMY
OF ARTS AND SCIENCES

Records of the Academy

1957-1958

CONNECTICUT
STATE LIBRARY
JUL 1
HARTFORD
CONNECTICUT

AMERICAN ACADEMY OF ARTS AND SCIENCES
BOSTON, MASSACHUSETTS

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

SELECTED PUBLICATIONS OF THE AMERICAN ACADEMY OF ARTS AND SCIENCES

THE NEW-ENGLAND COURANT. A selection of certain issues containing writings of Benjamin Franklin or published by him during his brother's imprisonment. Reproduced from copies of the originals owned by the Massachusetts Historical Society, in honor of the two hundred and fiftieth anniversary of his birth, with an introduction by Perry Miller. 133 pp. 1956. $10.

MONUMENTA PALAEOGRAPHICA VETERA.

SERIES I. *Dated Greek Miniscule Manuscripts to the year 1200.* Edited by Kirsopp Lake and Silva Lake. 10 fasciculi 1934-38. $100. Separate fasciculi, $12 each.

DATED GREEK MANUSCRIPTS: *Indices.* xxv, 185 pp. $2.50. The indices are supplied free of charge to subscribers to the whole series.

SERIES II. *An Album of Dated Syriac Manuscripts,* by William Henry Paine Hatch. xii, 286 pp., 200 plates. 1946. $25.

MEMOIRS. OLD SERIES, Vols. 1-4 (1785-1821); NEW SERIES, Vols. 1-19 (1833-1946). $10 each. Half volumes, $5 each. A few substantially complete sets are still available.

VOL. 24, John P. Monks: *College Men at War.* xxiv, 310 pp. 1957. $10.

SURVEY OF SLAVIC CIVILIZATION.

VOL. I: Dmitry Cizevsky: *Outline of Comparative Slavic Literatures.* 143 pp. 1952. Paper cover, $2.

VOL. II: Francis Dvornik: *The Slavs, Their Early History and Civilization.* 394 pp. 1956. $6.

ATMOSPHERIC EXPLORATIONS. Five papers of the Benjamin Franklin Memorial Symposium of the Academy, held in January, 1956. Henry G. Houghton, Ed. Technology Press, Cambridge, and Wiley, N. Y. x, 125 pp. 1958. $6.50. Available at 25% discount to Fellows, if ordered through the Academy office.

For sale by the Academy at 280 Newton Street, Brookline Station, Boston 46, Mass.

(See also inside back cover)

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

PROCEEDINGS OF THE
AMERICAN ACADEMY OF ARTS AND SCIENCES

CONTENTS

Officers and Committees for 1958-1959 248

List of Members by Classes
- Fellows 253
- Fellows Emeriti 280
- Foreign Honorary Members 283

Alphabetical Index of Members 288

Statutes 304

Charter of Incorporation 320

Records of Meetings, 1957-1958 323

- Annual Meeting 330
  - Reports
    - Secretary on Changes in Membership 331
    - Treasurer 333
    - Amory Prize Committee 339
    - House Committee 340
    - Permanent Science Fund Committee 342
    - Publication Committee 345
    - Rumford Committee 347
    - Warren Committee 354
  - New Members Elected 355
  - Officers and Committeemen Elected 361

MAY, 1958, VOL. 85, No. 4

AMERICAN ACADEMY OF ARTS AND SCIENCES

Boston, Massachusetts

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Officers and Committees for 1958-1959

American Academy of Arts and Sciences

President

KIRTLEY F. MATHER

Vice-Presidents

Class I

R. BRUCE LINDSAY

Class II

JOSEPH C. AUB

Class III

NILS Y. WESSELL

Class IV

W. G. CONSTABLE

Secretary

BRUCE H. BILLINGS

Treasurer

THOMAS B. ADAMS

Librarian

WALTER M. WHITEHILL

Editor

GERALD HOLTON

Executive Officer

RALPH W. BURHOE

COUNCILLORS *

Class I

Section 1 — ERIC REISSNER [1]
Section 2 — FREDERICK V. HUNT [1]
Section 3 — GEORGE SCATCHARD [9]
Section 4 — HARLOW SHAPLEY [2]
Section 5 — RUSSELL GIBSON [2]
Section 6 — PHILIPPE E. LECORBEILLER [9]

Class II

Section 1 — WILLIAM C. BOYD [0]
Section 2 — RALPH H. WETMORE [9]
Section 3 — J. WALTER WILSON [0]
Section 4 — B. F. SKINNER [1]
Section 5 — WILLIAM H. SWEET [0]

Class III

Section 1 — JEROME S. BRUNER [2]
Section 2 — SEYMOUR E. HARRIS [1]
Section 3 — KARL W. DEUTSCH [9]
Section 4 — BAILEY ALDRICH [2]
Section 5 — THOMAS D. CABOT [0]

Class IV

Section 1 — HAROLD C. CASE [2]
Section 2 — J. O. BREW [0]
Section 3 — J. P. ELDER [1]
Section 4 — ROBERT T. PAINE, JR. [9]

*Officers and Standing Committee Chairmen are also *ex officio* members of the Council.

[9] Term expires May, 1959. [0] Term expires May, 1960. [1] Term expires May, 1961.
[2] Term expires May, 1962.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

STANDING COMMITTEES

The Amory Prize Committee

EDWIN B. WILSON, *Chairman*

BAILEY ALDRICH
EDWIN B. ASTWOOD
J. HARTWELL HARRISON
ROY G. HOSKINS
GEORGE W. THORN
SHIELDS WARREN

The Auditing Committee

PAUL F. CLARK [0]
EARL P. STEVENSON [9]

The Emerson-Thoreau Medal Committee

DAVID MCCORD,[0] *Chairman*

VAN WYCK BROOKS [9]
ESTHER FORBES [1]
MARK A. DEW. HOWE [9]
HOWARD M. JONES [0]
HARRY T. LEVIN [1]
KENNETH B. MURDOCK [9]

The Committee on Finance

THOMAS B. ADAMS, *Chairman, ex officio*

WILLIAM H. CLAFLIN [0]
HORACE S. FORD [9]
RALPH E. FREEMAN [0]
HENRY L. SHATTUCK [9]

The House Committee

WALTER M. WHITEHILL,[0] *Chairman*

JOSÉ L. SERT [9]
GEORGE L. STOUT [1]

Committee on International Relations

SAVILLE R. DAVIS,[1] *Chairman*

CHARLES D. CORYELL [9]
KARL W. DEUTSCH [9]
JOHN T. EDSALL [9]
ARTHUR N. HOLCOMBE [1]
MILTON KATZ [0]
AGNES MONGAN [1]
TALCOTT PARSONS [0]
VICTOR F. WEISSKOPF [0]

The Committee on Meetings

KIRTLEY F. MATHER, *Chairman, ex officio*
BRUCE H. BILLINGS, *Secretary, ex officio*

Class I

R. BRUCE LINDSAY, *ex officio*
C. FAYETTE TAYLOR [0]

Class II

JOSEPH C. AUB, *ex officio*
MARY A. B. BRAZIER [0]

Class III

NILS Y. WESSELL, *ex officio*
ABRAM L. SACHAR [9]

Class IV

W. G. CONSTABLE, *ex officio*
BARTLETT H. HAYES [9]

[9] Term expires May, 1959. [0] Term expires May, 1960. [1] Term expires May, 1961.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

STANDING COMMITTEES

The Committee on Membership

KIRTLEY F. MATHER, *Chairman, ex officio*

Class I

R. BRUCE LINDSAY, *ex officio*
GEORGE F. CARRIER [0]
W. TED MARTIN [9]

Class II

JOSEPH C. AUB, *ex officio*
DANA L. FARNSWORTH [9]
JOHN R. RAPER [0]

Class III

NILS Y. WESSELL, *ex officio*
LOUIS M. LYONS [9]
PHILIP TAFT [0]

Class IV

W. G. CONSTABLE, *ex officio*
LYMAN H. BUTTERFIELD [9]
GARDNER COX [0]

The Nominating Committee

HUDSON HOAGLAND,[0] *Chairman*

Class I

ERIC REISSNER [9]
ARTHUR A. VERNON [1]
JERROLD R. ZACHARIAS [0]

Class II

HUDSON HOAGLAND [0]
J. H. MEANS [1]
REED C. ROLLINS [9]

Class III

CARL J. FRIEDRICH [9]
CALVERT MAGRUDER [0]
T. NORTH WHITEHEAD [1]

Class IV

E. POWER BIGGS [9]
TAYLOR STARCK [0]
GEORGE H. WILLIAMS [1]

The Permanent Science Fund Committee

PATRICK M. HURLEY,[9] *Chairman*

I. AMDUR [1]
JOHN M. BUCHANAN [0]
JOHN F. ENDERS [9]
NORMAN J. PADELFORD [0]
J. CURRY STREET [1]
JOHN H. WELSH [1]

The Committee on Publication

GERALD HOLTON, *Chairman, ex officio*

Class I

SANBORN C. BROWN [0]

Class II

RALPH I. DORFMAN [0]

Class III

CLYDE K. M. KLUCKHOHN [9]

Class IV

EDWARD A. WEEKS [9]

[9] Term expires May, 1959. [0] Term expires May, 1960. [1] Term expires May, 1961.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

STANDING COMMITTEES

The Rumford Committee

HARVEY BROOKS,[1] *Chairman*

HENRY G. HOUGHTON [9]
R. CLARK JONES [9]
HOWARD O. MCMAHON [0]
JOHN C. SLATER [0]
A. K. SOLOMON [1]
FRED L. WHIPPLE [0]

The School Science Committee

SANBORN C. BROWN,[1] *Chairman*

WALTER S. BAIRD [0]
FRANK M. CARPENTER [9]
LOCKHART B. ROGERS [0]
EARL P. STEVENSON [9]
H. BRADFORD WASHBURN, JR. [1]
FLETCHER G. WATSON [1]

The Elizabeth Thompson Science Fund Committee

PATRICK M. HURLEY,[9] *Chairman*

I. AMDUR [1]
JOHN M. BUCHANAN [0]
JOHN F. ENDERS [9]
NORMAN J. PADELFORD [0]
J. CURRY STREET [1]
JOHN H. WELSH [1]

The C. M. Warren Committee

PATRICK M. HURLEY,[9] *Chairman*

I. AMDUR [1]
JOHN M. BUCHANAN [0]
JOHN F. ENDERS [9]
NORMAN J. PADELFORD [0]
J. CURRY STREET [1]
JOHN H. WELSH [1]

SPECIAL COMMITTEES ACTIVE DURING 1958-1959

Committee on Acceptance of Scientific Theories

KARL W. DEUTSCH, *Chairman*

P. W. BRIDGMAN
E. C. KEMBLE

Committee on Chemical Concepts of Insanity

HUDSON HOAGLAND, *Chairman*

WILLIAM MALAMUD
HARRY C. SOLOMON

Dædalus — Board of Editors

GERALD HOLTON, *Chairman*

RAYMOND ARON
P. W. BRIDGMAN
CLARENCE FAUST
ETIENNE GILSON
CLARK KERR
KONRAD LORENZ
R. M. MACIVER
ARCHIBALD MACLEISH
PHILIP RIEFF
PAUL TILLICH
PAUL B. SEARS
HARLOW SHAPLEY
GEORGE WALD

[9] Term expires May, 1959. [0] Term expires May, 1960. [1] Term expires May, 1961.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

SPECIAL COMMITTEES

Committee on the Humboldt Centennial

HARLOW SHAPLEY, *Chairman*

SANBORN C. BROWN
I. BERNARD COHEN
HELMUT DE TERRA
WILLIAM A. JACKSON
HUGH M. RAUP
RICHARD E. SCHULTES

GORDON R. WILLEY

Committee on Informal Gatherings

J. O. BREW, *Chairman*

JEROME S. BRUNER
MASON HAMMOND
HUDSON HOAGLAND
KIRTLEY F. MATHER, *ex officio*

Committee on Myth

HENRY A. MURRAY, *Chairman*

JEROME S. BRUNER
JOHN E. BURCHARD
ALBERT J. GUÉRARD
GERALD HOLTON
CLYDE K. M. KLUCKHOHN
HARRY T. LEVIN

MORTON G. WHITE

Committee on Planning and Development

HUDSON HOAGLAND, *Chairman*

J. P. ELDER
EDWIN H. LAND
KIRTLEY F. MATHER, *ex officio*
ELTING E. MORISON

EARL P. STEVENSON

Committee on the Role of Science in American Education

EDWIN C. KEMBLE, *Chairman*

FRANCIS BITTER
SANBORN C. BROWN
I. BERNARD COHEN
KARL W. DEUTSCH
PHILIPPE E. LECORBEILLER
KIRTLEY F. MATHER, *Vice-Chairman*
LOCKHART B. ROGERS
BRUNO B. ROSSI
B. F. SKINNER
EARL P. STEVENSON
GEORGE WALD
FLETCHER G. WATSON, *Secretary*

Committee on Technical Problems of Arms Limitation

JOHN T. EDSALL, *Chairman*

CHARLES D. CORYELL
SAVILLE R. DAVIS
BERNARD T. FELD
MILTON KATZ

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

List of Members by Classes

(Corrected to January 1, 1958)

FELLOWS

Total number, 1218. Number limited to 1350.

The year of election is indicated following the name. When a Fellow resigned and was re-elected, the year of re-election is indicated in the ordinary way, the year of election is enclosed in square brackets. The year of election of an Associate, now a Fellow, is indicated by round brackets.

CLASS I — Mathematical and Physical Sciences — 369

Section 1 — *Mathematics* — 36

Clarence Raymond Adams '32	Providence, R. I.
Howard Hathaway Aiken '47	Cambridge, Mass.
Emil Artin '57	Princeton, N. J.
John Landes Barnes '46	Fullerton, Calif.
Albert Arnold Bennett '32	Providence, R. I.
Stefan Bergman '51	Stanford, Calif.
Garrett Birkhoff '45	Cambridge, Mass.
Richard Dagobert Brauer '54	Cambridge, Mass.
Jesse Douglas '33	Brooklyn, N. Y.
Griffith Conrad Evans, '34	Berkeley, Calif.
Philip Franklin '30	Belmont, Mass.
Hilda Geiringer '55	Cambridge, Mass.
Andrew Mattei Gleason '56	Cambridge, Mass.
Kurt Gödel '57	Princeton, N. J.
Maurice Haskell Heins '56	Norwood, R. I.
Einar Hille '32	New Haven, Conn.
Kenchiwi Iwasawa '55	Princeton, N. J.
Elvin Morton Jellinek '38	Albuquerque, N. Mex.
Norman Levinson '45	Belmont, Mass.
Chia-Chiao Lin '51	Cambridge, Mass.
Lynn Harold Loomis '56	Concord, Mass.
George Whitelaw Mackey '53	Cambridge, Mass.
Saunders MacLane '44	Chicago, Ill.
William Ted Martin '48	Cambridge, Mass.
Harold Marston Morse '29	Princeton, N. J.
Henry Bayard Phillips '18	Lincoln, Mass.
Eric Reissner '50	Weston, Mass.
Raphael Salem '52	Paris, France
Dirk Jan Struik '30	Belmont, Mass.
Oswald Veblen '23	Princeton, N. J.
Joseph Leonard Walsh '29	Cambridge, Mass.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Hao Wang '52	Oxford, England
George William Whitehead '54	Cambridge, Mass.
David Vernon Widder '32	Arlington, Mass.
Oscar Zariski '48	Cambridge, Mass.

Class I, Section 2 — *Physics* — 91

William Phelps Allis '51	Cambridge, Mass.
Carl David Anderson '50	Pasadena, Calif.
Gladys Amelia Anslow '55	Northampton, Mass.
Robert Fox Bacher '53	Pasadena, Calif.
Kenneth Tompkins Bainbridge '37	Cambridge, Mass.
Jesse Wakefield Beams '49	Charlottesville, Va.
Lloyd Viel Berkner '56	New York, N. Y.
Bruce Hadley Billings '52	Lincoln, Mass.
Francis Bitter '50	Cambridge, Mass.
Felix Bloch '57	Stanford University, Calif.
Nicolaas Bloembergen '56	Lexington, Mass.
Richard Henry Bolt '52	Cambridge, Mass.
Walter Houser Brattain '56	Murray Hill, N. J.
Gregory Breit '51	New Haven, Conn.
Percy Williams Bridgman '12	Cambridge, Mass.
Harvey Brooks '51	Cambridge, Mass.
Sanborn Conner Brown '53	Cambridge, Mass.
William Weber Buechner '54	Cambridge, Mass.
Walter Guyton Cady '26	Pasadena, Calif.
Leslie Lyle Campbell '21	Lexington, Va.
Arthur Holly Compton '28	St. Louis, Mo.
Daniel Frost Comstock '12	Lincoln, Mass.
Edward Uhler Condon '47	St. Louis, Mo.
William David Coolidge '15	Schenectady, N. Y.
Franzo Hazlett Crawford '34	Williamstown, Mass.
Clinton Joseph Davisson '29	Charlottesville, Va.
Martin Deutsch '53	Cambridge, Mass.
Robley Dunglison Evans '45	Belmont, Mass.
Paul Peter Ewald '55	Brooklyn, N. Y.
Arthur Woolsey Ewell '09	Rowley, Mass.
Harry Edward Farnsworth '39	Providence, R. I.
Bernard Taub Feld '56	Cambridge, Mass.
Herman Feshbach '54	Cambridge, Mass.
James Brown Fisk '49	Basking Ridge, N. J.
Nathaniel Herman Frank '49	Cambridge, Mass.
Philipp Frank '43	New York, N. Y.
Francis Lee Friedman '55	Cambridge, Mass.
David Henry Frisch '54	Cambridge, Mass.
Wendell Hinkle Furry '49	Cambridge, Mass.
Arthur Cobb Hardy '29	Wellesley, Mass.
George Russell Harrison '31	Belmont, Mass.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Gerald Holton '56	Cambridge, Mass.
William Vermillion Houston '51	Houston, Tex.
Frederick Vinton Hunt '40	Belmont, Mass.
Robert Clark Jones '55	Cambridge, Mass.
Edwin Crawford Kemble '22	Cambridge, Mass.
Ronold Wyeth Percival King '44	Winchester, Mass.
Julian Knause Knipp '57	Lexington, Mass.
Edwin Herbert Land '43	Cambridge, Mass.
Ernest Orlando Lawrence '37	Berkeley, Calif.
Robert Bruce Lindsay '31	Providence, R. I.
Milton Stanley Livingston '54	Cambridge, Mass.
Louis Williams McKeehan '34	Jamestown, R. I.
Henry Margenau '52	New Haven, Conn.
Harry Rowe Mimno '34	Lexington, Mass.
Philip McCord Morse '34	Cambridge, Mass.
Hans Mueller '49	Cambridge, Mass.
Wayne Buckles Nottingham '52	Cambridge, Mass.
Brian O'Brien '53	Pomfret, Conn.
J. Robert Oppenheimer '40	Princeton, N. J.
Carl F. J. Overhage '57	Lexington, Mass.
Robert Vivian Pound '52	Cambridge, Mass.
Edward Mills Purcell '50	Cambridge, Mass.
Norman Foster Ramsey '50	Cambridge, Mass.
Howard Percy Robertson '57	Pasadena, Calif.
Bruno Benedetto Rossi '48	Winchester, Mass.
Julian Seymour Schwinger '48	Boston, Mass.
William Shockley '53	Mountain View, Calif.
Clifford Glenwood Shull '57	Cambridge, Mass.
John Clarke Slater '27	Cambridge, Mass.
Henry DeWolf Smyth '56	Princeton, N. J.
Malcolm Woodrow Pershing Strandberg '57	Marshfield Hills, Mass.
Julius Adams Stratton '46	Belmont, Mass.
Jabez Curry Street '37	Belmont, Mass.
Edward Teller '54	Berkeley, Calif.
Laszlo Tisza '50	Cambridge, Mass.
Charles Hard Townes '57	New York, N. Y.
Merle Antony Tuve '50	Washington, D. C.
Manuel Sandoval Vallarta '28	Mexico, D. F.
Robert Jemison Van de Graaff '35	Belmont, Mass.
John Hasbrouck Van Vleck '34	Cambridge, Mass.
Arthur Robert von Hippel '44	Weston, Mass.
Bertram Eugene Warren '35	Arlington, Mass.
Julian Hale Webb '53	Rochester, N. Y.
David Locke Webster '18	Palo Alto, Calif.
Victor Frederick Weisskopf '48	Cambridge, Mass.
John Archibald Wheeler '54	Princeton, N. J.
Eugene Paul Wigner '50	Princeton, N. J.
Edwin Bidwell Wilson '11	Brookline, Mass.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Jerrold Reinach Zacharias '49	Cambridge, Mass.
Vladimir Kosma Zworykin '41	Princeton, N. J.

Class I, Section 3 – *Chemistry* – 73

Roger Adams '26	Urbana, Ill.
Isadore Amdur '44	Cambridge, Mass.
Paul Doughty Bartlett '46	Weston, Mass.
James Alexander Beattie '29	Belmont, Mass.
Elkan Rogers Blout '55	Cambridge, Mass.
George Hermann Büchi '56	Cambridge, Mass.
Godfrey Lowell Cabot '41	Boston, Mass.
Saul Gerald Cohen '56	Lexington, Mass.
Robert Hugh Cole '51	Providence, R. I.
Albert Sprague Coolidge '56	Cambridge, Mass.
Arthur Clay Cope '45	Belmont, Mass.
Charles DuBois Coryell '48	Lexington, Mass.
Paul Clifford Cross '47	Seattle, Wash.
Farrington Daniels '57	Madison, Wis.
William von Eggers Doering '54	New Haven, Conn.
Paul Mead Doty '51	Cambridge, Mass.
Louis Frederick Fieser '33	Belmont, Mass.
Paul John Flory '57	Pittsburgh, Pa.
William Francis Giauque '50	Berkeley, Calif.
Louis Harris '35	Belmont, Mass.
Lawrence Joseph Heidt '52	Arlington, Mass.
Robert Casad Hockett '38	Larchmont, N. Y.
Donald Frederick Hornig '52	Princeton, N. J.
David Newton Hume '55	Cambridge, Mass.
John Withers Irvine '52	Cambridge, Mass.
Frederick George Keyes '19	Cambridge, Mass.
George Elbert Kimball '57	Cambridge, Mass.
Gilbert William King '52	Los Angeles, Calif.
John Gamble Kirkwood '49	New Haven, Conn.
George Bogdan Kistiakowsky '33	Cambridge, Mass.
Charles August Kraus '15	Providence, R. I.
Warren Kendall Lewis '15	Newton, Mass.
Willard Frank Libby '54	Washington, D. C.
James Joseph Lingane '49	Cambridge, Mass.
Richard Collins Lord '50	Cambridge, Mass.
Duncan Arthur MacInnes '23	New York, N. Y.
Howard Oldford McMahon '53	Lexington, Mass.
Herman Francis Mark '56	Brooklyn, N. Y.
Arthur Earl Martell '57	Northboro, Mass.
Charles Edward Kenneth Mees '41	Honolulu, Hawaii
Nicholas Athanasius Milas '35	Belmont, Mass.
William Edward Moffitt '54	Cambridge, Mass.
Avery Adrian Morton '36	Watertown, Mass.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Leonard Kollender Nash '55	Cambridge, Mass.
William Albert Noyes, Jr. '31	Rochester, N. Y.
John Lawrence Oncley '45	Newtonville, Mass.
Lars Onsager '49	New Haven, Conn.
Linus Carl Pauling '44	Pasadena, Calif.
Lucy Weston Pickett '55	South Hadley, Mass.
John Dombrowski Roberts '52	Pasadena, Calif.
Eugene George Rochow '49	Cambridge, Mass.
Lockhart Burgess Rogers '55	Belmont, Mass.
George Scatchard '28	Cambridge, Mass.
Walter Cecil Schumb '32	East Milton, Mass.
Erwin Schwenk '53	Shrewsbury, Mass.
John Clark Sheehan '51	Cambridge, Mass.
Miles Standish Sherrill '15	Brookline, Mass.
David Powell Shoemaker '56	Cambridge, Mass.
Leighton Bruerton Smith '34	Beverly, Mass.
Clark Conkling Stephenson '47	Cambridge, Mass.
Walter Hugo Stockmayer '46	Weston, Mass.
Charles Gardner Swain '53	Cambridge, Mass.
Hugh Stott Taylor '43	Princeton, N. J.
Harold Clayton Urey '38	Chicago, Ill.
Arthur Andrew Vernon '53	Newton Highlands, Mass.
Cutler Delong West '52	Cambridge, Mass.
Frank Henry Westheimer '54	Cambridge, Mass.
Willis Rodney Whitney '11	Schenectady, N. Y.
Edgar Bright Wilson, Jr. '44	Cambridge, Mass.
Mathew Kent Wilson '57	Medford, Mass.
Melville Lawrence Wolfrom '51	Columbus, Ohio
Robert Burns Woodward '48	Cambridge, Mass.
Don Christopher M. Yost '54	Pasadena, Calif.

Class I, Section 4 — *Astronomy* — 30

Charles Greeley Abbot '21	Washington, D. C.
James Gilbert Baker '46	Cambridge, Mass.
Bart Jan Bok '39	Mt. Stromlo, Australia
Ira Sprague Bowen '50	Pasadena, Calif.
Dirk Brouwer '51	New Haven, Conn.
Subrahmanyan Chandrasekhar '46	Williams Bay, Wis.
Gerald Maurice Clemence '55	Washington, D. C.
John Charles Duncan '38	Tucson, Ariz.
Harold Irving Ewen '57	Needham Heights, Mass.
Thomas Gold '57	Cambridge, Mass.
Leo Goldberg '56	Ann Arbor, Mich.
Jesse Leonard Greenstein '54	Pasadena, Calif.
John Peter Hagen '55	Washington, D. C.
Gerard Peter Kuiper '49	Williams Bay, Wis.
Willem Jacob Luyten '25	Minneapolis, Minn.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Donald Howard Menzel '34	Cambridge, Mass.
Samuel Alfred Mitchell '23	Charlottesville, Va.
Jason John Nassau '53	East Cleveland, Ohio
Cecilia Payne-Gaposchkin '43	Lexington, Mass.
Martin Schwarzschild '54	Princeton, N. J.
Harlow Shapley '20	Peterborough, N. H.
Vesto Melvin Slipher '09	Flagstaff, Ariz.
Lyman Spitzer '53	Princeton, N. J.
Joel Stebbins '21	Mt. Hamilton, Calif.
Theodore Eugene Sterne '57	Cambridge, Mass.
Harlan True Stetson '27	Fort Lauderdale, Fla.
Bengt Georg Daniel Stromgren '55	Williams Bay, Wis.
Otto Struve '42	Berkeley, Calif.
Fred Lawrence Whipple '41	Cambridge, Mass.
Albert Edward Whitford '54	Madison, Wis.

Class I, Section 5 — *Earth Sciences* — 50

Including geology, physiography, mineralogy, meteorology, and oceanography, etc.

Charles Alfred Anderson '56	Washington, D. C.
James Murdoch Austin '55	Cambridge, Mass.
Alan Mara Bateman '41	New Haven, Conn.
Roland Frank Beers '46	Troy, N. Y.
Marland Pratt Billings '38	Wellesley, Mass.
Francis Birch '42	Cambridge, Mass.
Wilmot Hyde Bradley '49	Washington, D. C.
Walter Herman Bucher '49	New York, N. Y.
Arthur Francis Buddington '48	Princeton, N. J.
Martin Julian Buerger '45	Lincoln, Mass.
Jule Gregory Charney '57	Cambridge, Mass.
Arthur Louis Day '12	Bethesda, Md.
Carl Owen Dunbar '50	New Haven, Conn.
William Maurice Ewing '51	Palisades, N. Y.
Clifford Frondel '49	Cambridge, Mass.
Robert Minard Garrels '57	Cambridge, Mass.
Russell Gibson '42	Cambridge, Mass.
James Gilluly '49	Denver, Colo.
Louis Caryl Graton '14	Orange, Conn.
Beno Gutenberg '50	Pasadena, Calif.
Donnel Foster Hewett '50	Menlo Park, Calif.
Henry Garrett Houghton '52	Cambridge, Mass.
Marion King Hubbert '57	Houston, Texas
Cornelius Searle Hurlbut, Jr. '46	Belmont, Mass.
Patrick Mason Hurley '54	Cambridge, Mass.
Adolph Knopf '48	Stanford, Calif.
Bernhard Kummel '55	Cambridge, Mass.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Esper Signius Larsen, Jr. '25	Washington, D. C.
Morris Morgan Leighton '52	Urbana, Ill.
Arville Irving Levorsen '50	Tulsa, Okla.
Chester Ray Longwell '53	Menlo Park, Calif.
George Francis McEwen '31	La Jolla, Calif.
Hugh Exton McKinstry '49	Cambridge, Mass.
Donald Hamilton McLaughlin '27	San Francisco, Calif.
Kirtley Fletcher Mather '25	Cambridge, Mass.
William John Miller '17	Claremont, Calif.
Raymond Cecil Moore '52	Lawrence, Kans.
Frederick Kuhne Morris '32	Montgomery, Ala.
Walter Heinrich Munk '57	La Jolla, Calif.
Walter Harry Newhouse '34	Chicago, Ill.
Thomas Brennan Nolan '50	Washington, D. C.
William Walden Rubey '53	Washington, D. C.
Waldemar Theodore Schaller '19	Washington, D. C.
Robert Rakes Shrock '54	Cambridge, Mass.
Louis Byrne Slichter '57	Los Angeles, Calif.
Victor Paul Starr '56	Cambridge, Mass.
Henry Bradford Washburn, Jr. '56	Boston, Mass.
Harry Wexler '56	Falls Church, Va.
Harry Blackmore Whittington '53	Cambridge, Mass.
Hurd Curtis Willett '52	Cambridge, Mass.

Class I, Section 6 – *Engineering Sciences and Technologies* – 89

Comfort Avery Adams '06	Philadelphia, Pa.
Walter Scott Baird '52	Cambridge, Mass.
Manson Benedict '52	Weston, Mass.
Leo LeRoy Beranek '52	Winchester, Mass.
Michael Berliner Bever '56	Cambridge, Mass.
Raymond Lewis Bisplinghoff '57	Cambridge, Mass.
Edward Lindley Bowles '41	Wellesley, Mass.
Gordon Stanley Brown '50	Cambridge, Mass.
Oliver Ellsworth Buckley '49	Maplewood, N. J.
Vannevar Bush '25	Belmont, Mass.
George Francis Carrier '53	Wayland, Mass.
Arthur Casagrande '49	Cambridge, Mass.
Bruce Chalmers '54	Cambridge, Mass.
John Chipman '48	Winchester, Mass.
Edward Lull Cochrane '49	Cambridge, Mass.
Morris Cohen '50	Cambridge, Mass.
Samuel Cornette Collins '42	Belmont, Mass.
Otto Gustav Colbiornsen Dahl '34	Boston, Mass.
Chester Laurens Dawes '34	Cambridge, Mass.
Jacob Pieter Den Hartog '34	Wellesley Hills, Mass.
Bradley Dewey '43	Cambridge, Mass.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Theodore Harwood Dillon '20	Edgartown, Mass.
Charles Stark Draper '41	Newton, Mass.
Daniel Charles Drucker '55	Providence, R. I.
William Frederick Durand '21	Brooklyn, N. Y.
Melville Eastham '56	Cambridge, Mass.
Harold Eugene Edgerton '56	Belmont, Mass.
Howard Wilson Emmons '46	Sudbury, Mass.
Gordon Maskew Fair '27	Cambridge, Mass.
Antoine Marc Gaudin '56	Cambridge, Mass.
Ivan Alexander Getting '48	Belmont, Mass.
Edwin Richard Gilliland '48	Arlington, Mass.
Sydney Goldstein '56	Cambridge, Mass.
Ernst Adolph Guillemin '55	Cambridge, Mass.
Albert Haertlein '32	Watertown, Mass.
William Rede Hawthorne '50	Cambridge, England
Harold Locke Hazen '40	Cambridge, Mass.
Albert Gordon Hill '53	*Falls Church, Va.*
Hoyt Clarke Hottel '48	Winchester, Mass.
John Anthony Hrones '52	Cleveland, Ohio
Jerome Clarke Hunsaker '34	Boston, Mass.
Arthur Thomas Ippen '49	Cambridge, Mass.
Arthur Robert Kantrowitz '57	Arlington, Mass.
Theodore von Kármán '48	Azusa, Calif.
Joseph Kaye '55	Cambridge, Mass.
Joseph Henry Keenan '37	Belmont, Mass.
Robert Victor Kleinschmidt '50	Cambridge, Mass.
William Henry Lawrence '23	Jamaica Plain, Mass.
Philippe Emanuel LeCorbeiller '51	Cambridge, Mass.
John Moyes Lessells '38	Cambridge, Mass.
William Henry McAdams '48	Newton, Mass.
Charles Winters MacGregor '47	Philadelphia, Pa.
Herman Paul Meissner '55	Winchester, Mass.
Harold Somers Mickley '52	Belmont, Mass.
William MacGregor Murray '53	Cambridge, Mass.
John Torrey Norton '49	Cambridge, Mass.
Egon Orowan '51	Cambridge, Mass.
Harold Pender '13	Haverford, Pa.
John Alvin Pierce '52	Cambridge, Mass.
Emanuel Ruben Piore '57	New York, N. Y.
William Prager '51	Providence, R. I.
Denis Morrell Robinson '54	Burlington, Mass.
Warren Max Rohsenow '56	Cambridge, Mass.
Walter Alter Rosenblith '55	Cambridge, Mass.
Reinhold Rüdenberg '41	Belmont, Mass.
Claude Elwood Shannon '57	Stanford, Calif.
Ascher Herman Shapiro '52	Cambridge, Mass.
Milton Clayton Shaw '53	Cambridge, Mass.
Thomas Kilgore Sherwood '48	Wellesley, Mass.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Leslie Earl Simon '56	Niagara Falls, N. Y.
Cyril Stanley Smith '50	Chicago, Ill.
Carl Richard Soderberg '39	Weston, Mass.
Percy LeBaron Spencer '53	Waltham, Mass.
Charles Milton Spofford '14	Boston, Mass.
Horton Guyford Stever '53	Cambridge, Mass.
Charles Fayette Taylor '49	Cambridge, Mass.
Edward Story Taylor '49	Cambridge, Mass.
Karl Terzaghi ['28] '44	Winchester, Mass.
Harold Allen Thomas, Jr. '57	Arlington, Mass.
John George Trump '50	Cambridge, Mass.
Herbert Henry Uhlig '52	Cambridge, Mass.
Carl Wilhelm Wagner '54	Cambridge, Mass.
Edward Pearson Warner '23	Stamford, Conn.
Harold Christian Weber '51	Milton, Mass.
Walter Gordon Whitman '48	Concord, Mass.
Jerome Bert Wiesner '53	Cambridge, Mass.
John Benson Wilbur '45	Cambridge, Mass.
Glenn Carber Williams '54	Cambridge, Mass.
John Wulff '40	Cambridge, Mass.

CLASS II — Biological Sciences — 313

Section 1 — *Biophysics and Biochemistry* — 51

Including pharmacology, etc.

Eric Glendinning Ball '45	Newton Highlands, Mass.
Richard Scott Bear '54	Ames, Iowa
Konrad Emil Bloch '55	Lexington, Mass.
William T. Bovie '20	Fairfield, Maine
William Clouser Boyd '49	Boston, Mass.
John Machlin Buchanan '53	Cambridge, Mass.
Britton Chance '55	Philadelphia, Pa.
Halvor Niels Christensen '52	Ann Arbor, Mich.
Carl Ferdinand Cori '48	St. Louis, Mo.
Edward Adelbert Doisy '48	St. Louis, Mo.
Ralph Isadore Dorfman '53	Shrewsbury, Mass.
John Tileston Edsall '37	Cambridge, Mass.
Conrad Arnold Elvehjem '53	Madison, Wis.
Robert Emerson '53	Urbana, Ill.
Lewis Libman Engel '56	Boston, Mass.
Jordi Folch-Pi '56	Waverley, Mass.
Joseph Stewart Fruton '53	New Haven, Conn.
Haldan Keffer Hartline '57	New York, N. Y.
Edmund Newton Harvey '48	Princeton, N. J.
Albert Baird Hastings '36	Brookline, Mass.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Oscar Milton Hechter '56	Worcester, Mass.
Walter Lee Hughes, Jr. '53	Upton, N. Y.
Edward Calvin Kendall '51	Princeton, N. J.
George Wallace Kidder '52	Amherst, Mass.
Barbara Wharton Low '53	New York, N. Y.
Hermann Joseph Muller '42	Bloomington, Ind.
Carl George Niemann '55	Pasadena, Calif.
John Howard Northrop '49	Berkeley, Calif.
Severo Ochoa '57	New York, N. Y.
George Emil Palade '57	New York, N. Y.
Alwin Max Pappenheimer, Jr. '57	New York, N. Y.
Eugene Rabinowitch '53	Urbana, Ill.
Gerhard Schmidt '52	Boston, Mass.
Francis Otto Schmitt '41	Belmont, Mass.
Irwin Whiting Sizer '52	Cambridge, Mass.
Torald Hermann Sollmann '30	Cleveland, Ohio
Arthur Kaskel Solomon '56	Cambridge, Mass.
Wendell Meredith Stanley '49	Berkeley, Calif.
Fredrick John Stare '52	Boston, Mass.
Albert Szent-Gyorgyi '57	Woods Hole, Mass.
Leo Szilard '54	New York, N. Y.
Hubert Bradford Vickery '48	New Haven, Conn.
Vincent du Vigneaud '48	New York, N. Y.
George Wald '48	Cambridge, Mass.
James Dewey Watson, '57	Cambridge, Mass.
David Floyd Waugh '54	Cambridge, Mass.
Robley Cook Williams '57	Berkeley, Calif.
Dilworth Wayne Wooley '55	New York, N. Y.
Ralph Walter Graystone Wyckoff '50	Bethesda, Md.
Jeffries Wyman '33	Milton, Mass.
Paul Charles Zamecnik '54	Boston, Mass.

Class II, Section 2 — *Botany and Bacteriology* — 51

Edgar Anderson '34	St. Louis, Mo.
Irving Widmer Bailey '15	Cambridge, Mass.
Henry Ives Baldwin '53	Hillsboro, N. H.
Elso Sterrenberg Barghoorn '50	Cambridge, Mass.
Lawrence Rogers Blinks '49	Pacific Grove, Calif.
Edward Sears Castle '48	Cambridge, Mass.
Vernon Irvin Cheadle '56	Davis, Calif.
Jens Christian Clausen '49	Stanford, Calif.
Ralph Erskine Cleland '46	Bloomington, Ind.
Lincoln Constance '50	Berkeley, Calif.
Albert Hewett Coons '54	Boston, Mass.
Bernard Ogilvie Dodge '35	New York, N. Y.
Arthur Johnson Eames '41	Ithaca, N. Y.
Ralph Emerson '52	Berkeley, Calif.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Katherine Esau '49	Davis, Calif.
Alexander William Evans '12	New Haven, Conn.
Adriance Sherwood Foster '50	Berkeley, Calif.
Paul Rupert Gast '44	Stow, Mass.
David Rockwell Goddard '54	Philadelphia, Pa.
Richard Hale Goodwin '52	New London, Conn.
James Gordon Horsfall '52	New Haven, Conn.
Richard Alden Howard '53	Weston, Mass.
Ivan Murray Johnston '27	Jamaica Plain, Mass.
Donald Forsha Jones '34	New Haven, Conn.
Ivan Mackenzie Lamb '56	Cambridge, Mass.
Paul Christoph Mangelsdorf '40	Cambridge, Mass.
Winthrop John Vanleuven Osterhout '10	New York, N. Y.
John Robert Raper '55	Lexington, Mass.
Kenneth Bryan Raper '49	Madison, Wis.
Hugh Miller Raup '44	Petersham, Mass.
William Jacob Robbins '48	New York, N. Y.
Reed Clark Rollins '49	Cambridge, Mass.
Ernest Robert Sears '53	Columbia, Mo.
Paul Bigelow Sears '54	New Haven, Conn.
Richard Evans Schultes '57	Cambridge, Mass.
Edmund Ware Sinnott '34	New Haven, Conn.
Albert Charles Smith '44	Washington, D. C.
Gilbert Morgan Smith '34	Palo Alto, Calif.
Elvin Charles Stakman '23	St. Paul, Minn.
Roger Yate Stanier '57	Berkeley, Calif.
George Ledyard Stebbins, Jr. '52	Davis, Calif.
Frederick Campion Steward '56	Ithaca, N. Y.
William Randolph Taylor '48	Ann Arbor, Mich.
Kenneth Vivian Thimann '38	Cambridge, Mass.
Oswald Tippo '57	New Haven, Conn.
Cornelis Bernardus Van Niel '50	Pacific Grove, Calif.
Frans Verdoorn '53	Utrecht, Netherlands
Selman Abraham Waksman '49	New Brunswick, N. J.
William Henry Weston, Jr. '22	Winchester, Mass.
Ralph Hartley Wetmore '32	Cambridge, Mass.
Albert Franklin Yeager '56	Durham, N. H.

Class II, Section 3 – *Zoology* – 54
Including physical anthropology, etc.

Henry Bryant Bigelow '11	Concord, Mass.
Charles Henry Blake '35	Hillsboro, N. C.
Edgar John Boell '52	New Haven, Conn.
John Lewis Bremer '16	Boston, Mass.
Frank Morton Carpenter '33	Lexington, Mass.
William Ernest Castle '00	Berkeley, Calif.
Min-Chueh Chang '56	Shrewsbury, Mass.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

George Leonard Clarke '52	Cambridge, Mass.
Lemuel Roscoe Cleveland '29	Jamaica Plain, Mass.
Manton Copeland '23	Brunswick, Maine
Alden Benjamin Dawson '33	Belmont, Mass.
Edward Wheeler Dempsey '49	St. Louis, Mo.
Theodosius Dobzhansky '53	New York, N. Y.
Leslie Clarence Dunn '50	New York, N. Y.
Tilly Edinger '53	Cambridge, Mass.
Herbert McLean Evans '25	Berkeley, Calif.
Don Wayne Fawcett '55	New York, N. Y.
William King Gregory '31	New York, N. Y.
Donald Redfield Griffin '52	Cambridge, Mass.
Ross Granville Harrison '21	New Haven, Conn.
Caryl Parker Haskins '51	Washington, D. C.
Frederick Lee Hisaw '36	Belmont, Mass.
Leigh Hoadley '29	Cambridge, Mass.
Samuel Jackson Holmes '24	Berkeley, Calif.
Johannes Friedrich Karl Holtfreter '57	Rochester, N. Y.
William White Howells '55	Cambridge, Mass.
George Evelyn Hutchinson '49	New Haven, Conn.
Walter Landauer '53	Storrs, Conn.
Charles Peirson Lyman '56	Canton, Mass.
Ernst Mayr '54	Cambridge, Mass.
Daniel Mazia '54	Berkeley, Calif.
Axel Leonard Melander '27	Riverside, Calif.
Charles William Metz '51	Philadelphia, Pa.
John Spangler Nicholas '49	New Haven, Conn.
Bryan Patterson '56	Cambridge, Mass.
Harold Henry Plough '50	Amherst, Mass.
Keith Roberts Porter '57	New York, N. Y.
Clifford Ladd Prosser '57	Urbana, Ill.
Herbert Wilbur Rand '09	Cambridge, Mass.
Alfred Clarence Redfield '23	Woods Hole, Mass.
Oscar Riddle '34	Plant City, Fla.
Alfred Sherwood Romer '37	Cambridge, Mass.
Elizabeth Buckley Shull Russell '56	Bar Harbor, Maine
Alexander Grant Ruthven '25	Ann Arbor, Mich.
Oscar Emil Schotté '55	Amherst, Mass.
Franz Schrader '53	New York, N. Y.
George Gaylord Simpson '48	New York, N. Y.
George Davis Snell '52	Bar Harbor, Maine
Tracy Morton Sonneborn '49	Bloomington, Ind.
Paul Alfred Weiss '54	New York, N. Y.
John Henry Welsh '45	Cambridge, Mass.
James Walter Wilson '49	Providence, R. I.
Sewall Wright '48	Madison, Wis.
Leland Clifton Wyman '45	Jamaica Plain, Mass.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Class II, Section 4— *Physiology and Experimental Psychology* — 62

Edward Frederick Adolph '54	Rochester, N. Y.
Philip Bard '33	Baltimore, Md.
Frank Ambrose Beach '53	New Haven, Conn.
John Gilbert Beebe-Center '33	Swampscott, Mass.
Henry Stanley Bennett '57	Seattle, Wash.
Edward Allen Boyden '24	Seattle, Wash.
Mary Agnes Burniston Brazier '56	Boston, Mass.
Leonard Carmichael '32	Washington, D. C.
Leigh Edward Chadwick '52	Urbana, Ill.
Hallowell Davis '29	St. Louis, Mo.
David Bruce Dill '43	Joppa, Md.
Eugene Floyd DuBois '31	New York, N. Y.
Wallace Osgood Fenn '48	Rochester, N. Y.
John Farquhar Fulton '34	New Haven, Conn.
Herbert Spencer Gasser '48	New York, N. Y.
Ralph Waldo Gerard '55	Ann Arbor, Mich.
Arnold Lucius Gesell '47	New Haven, Conn.
Clarence Henry Graham '37	New York, N. Y.
Roy Orval Greep '50	Boston, Mass.
Edwin Ray Guthrie '45	Seattle, Wash.
Hudson Hoagland '34	Shrewsbury, Mass.
Roy Graham Hoskins '28	Waban, Mass.
Dwight Joyce Ingle '56	Chicago, Ill.
Heinrich Klüver '54	Chicago, Ill.
Otto Krayer '49	West Newton, Mass.
Eugene Markley Landis '44	Brookline, Mass.
Karl Spencer Lashley '32	Orange Park, Fla.
Chauncey D. Leake '57	Columbus, Ohio
Joseph Carl Robnett Licklider '53	Arlington, Mass.
Earl Randall Loew '52	Boston, Mass.
Cyril Norman Hugh Long '49	New Haven, Conn.
Rafael Lorente de No '54	New York, N. Y.
Oliver Howe Lowry '57	St. Louis, Mo.
Brenton Reid Lutz '43	Melrose, Mass.
Warren Sturgis McCulloch '57	Cambridge, Mass.
Ross Armstrong McFarland '53	Boston, Mass.
George Armitage Miller '57	Cambridge, Mass.
Gardner Murphy '50	Topeka, Kans.
Edwin Broomell Newman '53	Cambridge, Mass.
John Richard Pappenheimer '54	Cambridge, Mass.
Carl Pfaffman '57	Providence, R. I.
Gregory Pincus '39	Worcester, Mass.
Robert Franklin Pitts '57	New York, N. Y.
Frederick Haven Pratt '27	Wellesley Hills, Mass.
Karl Harry Pribram '56	Hartford, Conn.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

David Rapport '32	Boston, Mass.
Alfred Newton Richards '34	Bryn Mawr, Pa.
Curt Paul Richter '56	Baltimore, Md.
Lorrin Andrews Riggs '57	Providence, R. I.
Kenneth David Roeder '46	Concord, Mass.
Harold Schlosberg '56	Providence, R. I.
Carl Frederic Schmidt '55	Philadelphia, Pa.
Burrhus Frederic Skinner '52	Cambridge, Mass.
Homer William Smith '49	New York, N. Y.
Stanley Smith Stevens '46	Cambridge, Mass.
Edward Chace Tolman '49	Berkeley, Calif.
Georg von Békésy '54	Cambridge, Mass.
John Broadus Watson '17	Woodbury, Conn.
Heinz Werner '56	Worcester, Mass.
Philip Rodney White '50	Bar Harbor, Maine
Carroll Milton Williams '51	Cambridge, Mass.
Robert Sessions Woodworth '35	New York, N. Y.

Class II, Section 5 — *Medicine* — 95

Including surgery and psychiatry, etc.

Raymond DeLacy Adams '55	Boston, Mass.
Arthur Wilburn Allen '47	Brookline, Mass.
Edwin Bennett Astwood '49	Boston, Mass.
Joseph Charles Aub '32	Belmont, Mass.
Donald Leslie Augustine '52	Boston, Mass.
James Bourne Ayer '29	Milton, Mass.
Franklin Greene Balch ('28) '32	Jamaica Plain, Mass.
Walter Bauer '41	Boston, Mass.
Henry Knowles Beecher '55	Boston, Mass.
David Lawrence Belding '47	Hingham, Mass.
George Packer Berry '50	Boston, Mass.
Alfred Blalock '55	Baltimore, Md.
George Blumer '31	Balboa Island, Calif.
Herrman Ludwig Blumgart '49	Boston, Mass.
Arlie Vernon Bock '43	Still River, Mass.
Austin Moore Brues '57	Lemont, Ill.
Charles Sidney Burwell '36	Brookline, Mass.
Allan Macy Butler '48	Boston, Mass.
William Bosworth Castle '31	Brookline, Mass.
Edward Delos Churchill '48	Belmont, Mass.
William Irving Clark '42	Worcester, Mass.
David Glendenning Cogan '49	Cambridge, Mass.
Rufus Cole '21	Mount Kisco, N. Y.
Oliver Cope '50	Boston, Mass.
Derek Ernest Denny-Brown '53	Cambridge, Mass.
Lewis Dexter '50	Boston, Mass.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

John Englebert Dunphy '56	Boston, Mass.
Geoffrey Edsall '50	Bethesda, Md.
John Franklin Enders '46	Boston, Mass.
Jack Richard Ewalt '53	Boston, Mass.
Sidney Farber '49	Boston, Mass.
Dana Lyda Farnsworth '55	Cambridge, Mass.
James Morison Faulkner '45	Cambridge, Mass.
Jacob Fine '53	Cambridge, Mass.
Maxwell Finland '44	Squantum, Mass.
Jacob Furth '57	Boston, Mass.
James Lawder Gamble '27	Brookline, Mass.
Joseph Garland '53	Boston, Mass.
Joseph Lincoln Goodale '22	Cambridge, Mass.
Harry Sylvestre Nutting Greene '49	New Haven, Conn.
Robert Edward Gross '49	Boston, Mass.
Thomas Hale Ham ['45] '55	Shaker Heights, Ohio
John Hartwell Harrison '54	Boston, Mass.
Joseph Marchant Hayman, Jr. '56	Boston, Mass.
William Healy '32	Clearwater, Fla.
Philip Showalter Hench '51	Rochester, Minn.
Arthur Tremain Hertig '49	Cambridge, Mass.
Charles Brenton Huggins '49	Chicago, Ill.
Franz Joseph Ingelfinger '54	Boston, Mass.
Henry Jackson, Jr. '34	Tryon, N. C.
Charles Alderson Janeway '46	Weston, Mass.
Chester Morse Jones '56	West Newton, Mass.
Elliott Proctor Joslin '12	Boston, Mass.
Chester Scott Keefer '43	Brookline, Mass.
Hugh Rodman Leavell '54	Boston, Mass.
Roger Irving Lee '23	Brookline, Mass.
Samuel Albert Levine '42	Newton Centre, Mass.
Erich Lindemann '54	Cambridge, Mass.
Edwin Allen Locke '29	Wilton, N. H.
Robert Frederick Loeb '49	New York, N. Y.
William Malamud '44	Boston, Mass.
Rustin McIntosh '54	New York, N. Y.
James Howard Means ['27] '50	Boston, Mass.
Joe Vincent Meigs '56	Boston, Mass.
Karl Friedrich Meyer '35	San Francisco, Calif.
Leroy Matthew Simpson Miner '34	Newtonville, Mass.
Francis Daniels Moore '52	Boston, Mass.
Irvine Heinly Page '57	Cleveland, Ohio
John Rodman Paul '51	New Haven, Conn.
Samuel Proger '50	Boston, Mass.
Tracy Jackson Putnam '35	Beverly Hills, Calif.
Francis Minot Rackemann '47	Boston, Mass.
John Rock '48	Brookline, Mass.
Joseph Foster Ross '53	Los Angeles, Calif.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Albert Bruce Sabin '55	Cincinnati, Ohio
Arnold Max Seligman '52	Baltimore, Md.
George Cheever Shattuck '33	Brookline, Mass.
Charles Wesley Shilling '57	Arlington, Va.
Richard Mason Smith '47	Boston, Mass.
John Crayton Snyder '50	Boston, Mass.
Reidar Fauske Sognnaes '56	Boston, Mass.
Harry Caesar Solomon '52	Boston, Mass.
William Herbert Sweet '54	Boston, Mass.
Nathan Bill Talbot '51	Boston, Mass.
Helen Brooke Taussig '57	Baltimore, Md.
Siegfried Josef Thannhauser '46	Brookline, Mass.
George Widmer Thorn '44	Cambridge, Mass.
Ernest Edward Tyzzer '14	Wakefield, Mass.
Frederick Herman Verhoeff '14	Brookline, Mass.
Shields Warren '47	West Newton, Mass.
Joseph Treloar Wearn '27	Cleveland, Ohio
Thomas Huckle Weller '55	Boston, Mass.
James Clarke White '56	Boston, Mass.
Paul Dudley White '40	Belmont, Mass.
Robert Wallace Wilkins '57	Boston, Mass.

CLASS III — Social Arts and Sciences — 304

Section 1 — *Social Relations* — 40

Including human geography and cultural anthropology, clinical and social psychology, etc.

Augusta Fox Bronner (Mrs. William Healy) '43	Clearwater, Fla.
Henry Addington Bruce '31	Hartford, Conn.
Jerome Seymour Bruner '54	Cambridge, Mass.
Edwin Sharp Burdell '45	New York, N. Y.
Carleton Stevens Coon '43	Devon, Pa.
Carl Rupp Doering '41	Oklahoma City, Okla.
John Dollard '51	New Haven, Conn.
Cora Du Bois '55	Cambridge, Mass.
John William Gardner '53	New York, N. Y.
Sheldon Glueck '33	Cambridge, Mass.
Clinton Strong Golden '51	Solebury, Pa.
George Caspar Homans '56	Cambridge, Mass.
Carl Iver Hovland '56	New Haven, Conn.
Francis Keppel '53	Cambridge, Mass.
Clyde Kay Maben Kluckhohn '44	Cambridge, Mass.
Alfred Louis Kroeber '12	Berkeley, Calif.
Paul Felix Lazarsfeld '51	New York, N. Y.
David Clarence McClelland '57	Cambridge, Mass.
Douglas Murray McGregor '57	Cambridge, Mass.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Robert Morison MacIver '34	Palisades, N. Y.
Mark Arthur May '50	New Haven, Conn.
Margaret Mead '48	New York, N. Y.
Robert King Merton '50	New York, N. Y.
Charles Frederick Mosteller '54	Cambridge, Mass.
George Peter Murdock '51	New Haven, Conn.
Henry Alexander Murray, Jr. '35	Boston, Mass.
Theodore Mead Newcomb '57	Ann Arbor, Mich.
William Fielding Ogburn '32	Tallahassee, Fla.
Douglas Llewellyn Oliver '53	Cambridge, Mass.
Talcott Parsons '45	Belmont, Mass.
Carroll Cornelius Pratt '33	Princeton, N. J.
David Riesman '55	Chicago, Ill.
Robert Richardson Sears ['51] '56	Stanford, Calif.
Leslie Spier '53	Santa Cruz, Calif.
Herbert Joseph Spinden '26	Carmel, N. Y.
Samuel Andrew Stouffer '50	Cambridge, Mass.
Fletcher Guard Watson '53	Cambridge, Mass.
Robert Winthrop White '56	Concord, Mass.
Frederick Roelker Wulsin '53	Cambridge, Mass.
Carle Clark Zimmerman '34	Winchester, Mass.

Class III, Section 2 — *Economics* — 53

Morris Albert Adelman '56	Cambridge, Mass.
James Waterhouse Angell '36	New York, N. Y.
Richard Mervin Bissell '48	Washington, D. C.
James Cummings Bonbright '36	New York, N. Y.
Kenneth Ewart Boulding '57	Ann Arbor, Mich.
Lloyd DeWitt Brace '49	Boston, Mass.
Douglass Vincent Brown '44	Brookline, Mass.
Theodore Henry Brown '46	Cambridge, Mass.
Arthur Frank Burns '55	New York, N. Y.
John Maurice Clark '34	Westport, Conn.
William Lockhart Clayton '48	Houston, Tex.
Arthur Harrison Cole '28	Cambridge, Mass.
James Frederic Dewhurst '51	Washington, D. C.
Arthur Stone Dewing '32	Cambridge, Mass.
Paul Howard Douglas '50	Washington, D. C.
John Thomas Dunlop '57	Belmont, Mass.
Fred Rogers Fairchild '36	Hamden, Conn.
Harold Adolph Freeman '56	Cambridge, Mass.
Ralph Evans Freeman '34	Cambridge, Mass.
Edgar Stephenson Furniss '34	New Haven, Conn.
John Kenneth Galbraith '52	Cambridge, Mass.
Carter Goodrich '50	New York, N. Y.
George Nikolaus Halm '55	Winchester, Mass.
Earl Jefferson Hamilton '41	Chicago, Ill.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Seymour Edwin Harris '45	Cambridge, Mass.
Paul Gray Hoffman '52	Pasadena, Calif.
Bishop Carleton Hunt '48	Norwell, Mass.
Carl Kaysen '54	Cambridge, Mass.
Charles Poor Kindleberger '54	Cambridge, Mass.
Frank Hyneman Knight '34	Chicago, Ill.
Simon Smith Kuznets '55	Baltimore, Md.
Ben William Lewis '56	Oberlin, Ohio
Walter Wallace McLaren '32	Pasadena, Calif.
William Rupert Maclaurin '45	Cambridge, Mass.
Leon Carroll Marshall '32	Chevy Chase, Md.
Max Franklin Millikan '57	Cambridge, Mass.
Frederick Cecil Mills '32	New York, N. Y.
Arthur Eli Monroe '34	Cambridge, Mass.
Charles Andrew Myers '54	Cambridge, Mass.
Edwin Griswold Nourse '34	Chevy Chase, Md.
William Andrew Paton '42	Ann Arbor, Mich.
Paul Anthony Samuelson '42	Belmont, Mass.
Benjamin Morris Selekman '43	Cambridge, Mass.
Eli Shapiro '55	Newton Centre, Mass.
Robert Merton Solow '56	Cambridge, Mass.
Philip Taft '49	Providence, R. I.
Willard Long Thorp '55	Amherst, Mass.
Harry Rudolph Tosdal '37	Belmont, Mass.
Donald Skeele Tucker '31	Belmont, Mass.
Jacob Viner '34	Princeton, N. J.
Thomas North Whitehead '38	Cambridge, Mass.
Joseph Henry Willits '36	Armonk, N. Y.
Leo Wolman '34	New York, N. Y.

Class III, Section 3 — *Political Science* — 33

Roger Nash Baldwin '51	New York, N. Y.
Ralph Johnson Bunche '51	United Nations, N. Y.
McGeorge Bundy '54	Cambridge, Mass.
James MacGregor Burns '57	Williamstown, Mass.
Robert Granville Caldwell '40	Fishkill, N. Y.
Robert Kenneth Carr '56	Washington, D. C.
Charles Richards Cherington '52	Calais, Vt.
Robert Treat Crane '33	Stonington, Conn.
Robert Eugene Cushman '52	Ithaca, N. Y.
Karl Wolfgang Deutsch '53	Belmont, Mass.
Thomas Hopkinson Eliot '52	St. Louis, Mo.
Rupert Emerson '55	Cambridge, Mass.
Merle Fainsod '50	Cambridge, Mass.
Carl Joachim Friedrich '44	Concord, Mass.
James William Fulbright '50	Washington, D. C.
John Merriman Gaus '50	Cambridge, Mass.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Leland Matthew Goodrich '49	New York, N. Y.
Louis Hartz '57	Cambridge, Mass.
Edward Pendleton Herring '49	New York, N. Y.
Arthur Norman Holcombe '27	Duxbury, Mass.
Philip Caryl Jessup '32	Norfolk, Conn.
George Frost Kennan '52	Princeton, N. J.
John Fitzgerald Kennedy '55	Washington, D. C.
Valdimer Orland Key, Jr. '55	Cambridge, Mass.
Harold Dwight Lasswell '57	New Haven, Conn.
Louise Overacker '57	Bethany, W. Va.
Norman Judson Padelford '52	Cambridge, Mass.
Margaret Chase Smith '52	Washington, D. C.
Harold Walter Stoke '46	New York, N. Y.
Leonard Dupee White '51	Chicago, Ill.
William Franklin Willoughby '32	Washington, D. C.
Quincy Wright '27	Chicago, Ill.
Henry Aaron Yeomans '33	Cambridge, Mass.

Class III, Section 4 — *Law* — 53

Bailey Aldrich '54	Boston, Mass.
Francis Noyes Balch ('24) '32	Jamaica Plain, Mass.
Stoughton Bell '36	Cambridge, Mass.
Adolf Augustus Berle, Jr. '44	New York, N. Y.
Robert Richardson Bowie '56	Cambridge, Mass.
Claude Raymond Branch '36	Boston, Mass.
Kingman Brewster, Jr. '56	Cambridge, Mass.
Harvey Hollister Bundy '46	Boston, Mass.
David Farquhar Cavers '55	Cambridge, Mass.
Zechariah Chafee, Jr. '50	Cambridge, Mass.
Charles Allerton Coolidge '48	Belmont, Mass.
John Cobb Cooper '49	Princeton, N. J.
Archibald Cox '55	Cambridge, Mass.
Charles Pelham Curtis '54	Boston, Mass.
Richard Ammi Cutter '57	Cambridge, Mass.
Robert Gray Dodge '38	Boston, Mass.
Charles Fairman '56	Cambridge, Mass.
John Wells Farley '49	Boston, Mass.
Paul Abraham Freund '57	Cambridge, Mass.
Lon Louvois Fuller '40	Cambridge, Mass.
Lloyd Kirkham Garrison '54	New York, N. Y.
Herbert Funk Goodrich '39	Philadelphia, Pa.
Theodore Francis Green '33	Providence, R. I.
Frank Washburn Grinnell '38	Boston, Mass.
Erwin Nathaniel Griswold '41	Belmont, Mass.
John Loomer Hall '39	Boston, Mass.
Learned Hand '33	New York, N. Y.
Albert James Harno '39	Los Angeles, Calif.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

William Henry Hastie '52	Philadelphia, Pa.
Charles Antone Horsky '49	Washington, D. C.
Milton Katz '54	Cambridge, Mass.
William James Kenealy '56	New Orleans, La.
Phillips Ketchum '49	Cambridge, Mass.
James McCauley Landis '38	Rye, N. Y.
Sayre Macneil '32	Pasadena, Calif.
Calvert Magruder '32	Cambridge, Mass.
Thomas Harrison Mahony '50	Boston, Mass.
Harold Medina '51	Foley Square, N. Y.
Edmund Morris Morgan '31	Nashville, Tenn.
John Lord O'Brian '47	Washington, D. C.
George Wharton Pepper '01	Philadelphia, Pa.
Roscoe Pound '11	Watertown, Mass.
Stanley Elroy Qua '36	Lowell, Mass.
Eugene Victor Rostow '56	New Haven, Conn.
Austin Wakeman Scott '21	Cambridge, Mass.
Aaron Cecil Snyder '56	San Juan, P. R.
John Varnum Spalding '56	Newton Highlands, Mass.
Arthur Eugene Sutherland '55	Cambridge, Mass.
Harrison Tweed '57	New York, N. Y.
Earl Warren '57	Washington, D. C.
Raymond Sanger Wilkins '56	Boston, Mass.
Peter Woodbury '53	Manchester, N. H.
Charles Edward Wyzanski, Jr. '43	Cambridge, Mass.

Class III, Section 5 — *Administration and Affairs* — 125

Including diplomacy, etc.

Dean Gooderham Acheson '55	Washington, D. C.
Frederick Baldwin Adams, Jr. '54	Princeton, N. J.
John Adams '53	Boston, Mass.
Thomas Boylston Adams '53	South Lincoln, Mass.
Oscar Kelley Anderson '57	Boston, Mass.
Chester M. Alter '46	Denver, Colo.
George Pierce Baker '47	Boston, Mass.
Chester Irving Barnard '39	New York, N. Y.
Jaime Benítez '56	Río Piedras, P. R.
Howard Landis Bevis '36	Columbus, Ohio
Samuel Bruce Black '49	Boston, Mass.
Charles Eustis Bohlen '56	Washington, D. C.
Chester Bowles '56	Essex, Conn.
Detlev Wulf Bronk '49	New York, N. Y.
Thomas Dudley Cabot '47	Weston, Mass.
Erwin Dain Canham '48	Newton, Mass.
William Richards Castle '32	Washington, D. C.
William Henry Claflin '47	Belmont, Mass.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Margaret Clapp '52	Wellesley, Mass.
Dean Alexander Clark '54	Boston, Mass.
Paul Foster Clark '49	Boston, Mass.
John Phillips Coolidge '53	Cambridge, Mass.
William Terry Couch '50	New York, N. Y.
Robert Cutler '48	Boston, Mass.
Marshall Bertrand Dalton '57	Brookline, Mass.
Donald Kirk David '42	New York, N. Y.
Saville Rogers Davis '50	Boston, Mass.
John Sloan Dickey '46	Hanover, N. H.
Ernest Stanley Dodge '53	Salem, Mass.
Charles Dollard '50	North Bennington, Vt.
David Dubinsky '52	New York, N. Y.
David Frank Edwards '46	Cambridge, Mass.
Carl Stephens Ell '48	Newton, Mass.
William Lusk Webster Field ('28) '32	Milton, Mass.
Thomas Knight Finletter '56	New York, N. Y.
Ralph Edward Flanders '39	Washington, D. C.
Marion Bayard Folsom '57	Washington, D. C.
William Cameron Forbes '27	Norwood, Mass.
Horace Sayford Ford '38	Cambridge, Mass.
Raymond Blaine Fosdick '44	New York, N. Y.
Edward Sanborn French '53	Springfield, Vt.
Horace Rowan Gaither, Jr. '54	New York, N. Y.
Frank Porter Graham '52	New York, N. Y.
Francis Calley Gray '48	Boston, Mass.
Crawford Hallock Greenewalt '51	Wilmington, Del.
Joseph Clark Grew '32	Washington, D. C.
Alfred Whitney Griswold '51	New Haven, Conn.
Jacob George Harrar '52	New York, N. Y.
William Averell Harriman '50	New York, N. Y.
Francis Whiting Hatch '56	Boston, Mass.
Henry Townley Heald '57	New York, N. Y.
Christian Archibald Herter '50	Washington, D. C.
Harold Daniel Hodgkinson '49	Boston, Mass.
Ernest Martin Hopkins '44	Hanover, N. H.
Halford Lancaster Hoskins '33	Washington, D. C.
Ernest Hamlin Huntress '36	Melrose Highlands, Mass.
Howard Bonar Jefferson '56	Worcester, Mass.
Barnaby Conrad Keeney '57	Providence, R. I.
Harrison Keller '52	Boston, Mass.
Henry Plimpton Kendall '34	Sharon, Mass.
Clark Kerr '57	El Cerrito, Calif.
James Rhyne Killian, Jr. '44	Wellesley Hills, Mass.
Wilfred Stanley Lake '55	Boston, Mass.
Roy Edward Larsen '55	New York, N. Y.
David Eli Lilienthal '48	New York, N. Y.
Walter Lippmann '49	Washington, D. C.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Clarence Cook Little '34	Bar Harbor, Maine
Milton Edward Lord '47	Boxford, Mass.
Ralph Lowell '47	Westwood, Mass.
Louis Martin Lyons '49	Cambridge, Mass.
James McCormack '57	Cambridge, Mass.
Malcolm Perrine McNair '36	Cambridge, Mass.
Daniel L. Marsh '42	Boston, Mass.
Richard Stockton Meriam '34	South Lincoln, Mass.
Keyes DeWitt Metcalf '45	Belmont, Mass.
Henry Allen Moe '45	New York, N. Y.
Edward R. Murrow '57	New York, N. Y.
Ada (Comstock) Notestein '43	New Haven, Conn.
Irving Sands Olds '54	New York, N. Y.
Rosemary Park '56	New London, Conn.
Richard Scott Perkin '55	Norwalk, Conn.
Christopher Hallowell Phillips '52	Washington, D. C.
William Phillips '47	North Beverly, Mass.
Gerard Piel '54	New York, N. Y.
Nathan Marsh Pusey '54	Cambridge, Mass.
William McNear Rand '51	Lincoln, Mass.
Clarence Belden Randall '54	Chicago, Ill.
Perry Townsend Rathbone '57	Boston, Mass.
Helen Rogers Reid '50	New York, N. Y.
Walter Philip Reuther '52	Detroit, Mich.
Fritz Jules Roethlisberger '47	Cambridge, Mass.
James J. Rorimer '56	New York, N. Y.
Arthur Grinnell Rotch '49	Boston, Mass.
Abram Leon Sachar '51	Waltham, Mass.
William Gurdon Saltonstall '53	Exeter, N. H.
Francis Bowes Sayre '32	Washington, D. C.
Erwin Haskell Schell '34	Cambridge, Mass.
Henry Lee Shattuck '35	Boston, Mass.
Henry Southworth Shaw '37	Largo, Fla.
George Nauman Shuster '50	New York, N. Y.
Alfred Pritchard Sloan, Jr. '48	New York, N. Y.
Payson Smith ('28) '32	Peaks Island, Maine
Albert Warren Stearns '33	Billerica, Mass.
Raymond Sawtell Stevens '57	Cambridge, Mass.
Adlai Ewing Stevenson '53	Chicago, Ill.
Earl Place Stevenson '52	Cambridge, Mass.
William Edwards Stevenson '56	Oberlin, Ohio
Robert Burgess Stewart '46	Winchester, Mass.
Arthur Hays Sulzberger '50	New York, N. Y.
Vernon Dale Tate '53	Annapolis, Md.
Stanley Ferdinand Teele '56	Boston, Mass.
Alan Tower Waterman '54	Washington, D. C.
William Webster '50	Wellesley, Mass.
Sumner Welles '47	Washington, D. C.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Nils Yngve Wessell '54	Medford, Mass.
Walter Muir Whitehill '51	Boston, Mass.
Carroll Louis Wilson '49	Seekonk, Mass.
Charles Edward Wilson '44	New York, N. Y.
Howard Eugene Wilson '48	Washington, D. C.
Thomas James Wilson '50	Cambridge, Mass.
Laurence Leathe Winship '41	South Sudbury, Mass.
Benjamin Fletcher Wright '50	Northampton, Mass.
Henry Merritt Wriston '48	Marstons Mills, Mass.
Benjamin Loring Young ('25) '32	Weston, Mass.
Owen D. Young '39	Van Hornesville, N. Y.

CLASS IV — HUMANITIES — 232

SECTION 1 — *Philosophy and Theology* — 44

William Foxwell Albright '56	Baltimore, Md.
Julius Seelye Bixler '38	Waterville, Maine
Brand Blanshard '46	New Haven, Conn.
George Boas '57	Baldwin, Md.
Edwin Prince Booth '57	Islington, Mass.
Victor Lloyd Butterfield '50	Middletown, Conn.
George Arthur Buttrick '57	Cambridge, Mass.
Rudolph Carnap '48	Los Angeles, Calif.
Harold Claude Case '52	Boston, Mass.
Robert Pierce Casey '36	Cambridge, England
James Bryant Conant '24	New York, N. Y.
Curt John Ducasse '33	Providence, R. I.
Angus Dun '43	Washington, D. C.
Frederick May Eliot '48	Cambridge, Mass.
Louis Finkelstein '54	New York, N. Y.
Theodore Meyer Greene '53	Claremont, Calif.
Carl Gustav Hempel '57	Princeton, N. J.
Paul Oskar Kristeller '55	New York, N. Y.
John LaFarge '50	New York, N. Y.
Clarence Irving Lewis '29	Menlo Park, Calif.
Eric Francis MacKenzie '57	Newton Centre, Mass.
Richard Peter McKeon '42	Chicago, Ill.
Charles William Morris '52	Chicago, Ill.
Lewis Mumford '47	Amenia, N. Y.
Thomas Munro '48	Cleveland, Ohio
Arthur Edward Murphy '48	Seattle, Wash.
Ernest Nagel '54	New York, N. Y.
Norman Burdett Nash '47	Cambridge, Mass.
Arthur Darby Nock '32	Cambridge, Mass.
Filmer Sears Cuckow Northrop '51	New Haven, Conn.
Charles Edwards Park '17	Boston, Mass.
Stephen Coburn Pepper '56	Berkeley, Calif.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Willard Van Orman Quine '49	Cambridge, Mass.
John Herman Randall, Jr. '54	New York, N. Y.
Herbert Wallace Schneider '50	New York, N. Y.
Henry Knox Sherrill '31	New York, N. Y.
Walter Terence Stace '51	Princeton, N. J.
Russell Henry Stafford '29	Hartford, Conn.
Charles Lincoln Taylor '45	Dayton, Ohio
Robert Ulich '41	Wellesley, Mass.
Morton Gabriel White '56	Cambridge, Mass.
Amos Niven Wilder '56	Cambridge, Mass.
George Huntston Williams '53	Cambridge, Mass.
John Joseph Wright '53	Worcester, Mass.

Class IV, Section 2 – *History and Archaeology* – 74

Roland Herbert Bainton '54	New Haven, Conn.
Jacques Barzun '54	New York, N. Y.
James Phinney Baxter, 3d '28	Williamstown, Mass.
Herbert Bloch '50	Rome, Italy
Marie Boas '55	Los Angeles, Calif.
John Otis Brew '52	Cambridge, Mass.
Clarence Saunders Brigham '46	Worcester, Mass.
Lyman Henry Butterfield '53	Boston, Mass.
Marshall Clagett '56	Madison, Wis.
I. Bernard Cohen '52	Cambridge, Mass.
Charles Woolsey Cole '48	Amherst, Mass.
Merle Eugene Curti '49	Madison, Wis.
George de Santillana '54	Cambridge, Mass.
William Bell Dinsmoor '44	New York, N. Y.
Dows Dunham '54	Boston, Mass.
Francis Dvornik '55	Washington, D. C.
John King Fairbank '54	Cambridge, Mass.
Claude Moore Fuess '38	Chestnut Hill, Mass.
Myron Piper Gilmore '56	Belmont, Mass.
Hetty Goldman '50	Princeton, N. J.
Louis Gottschalk '50	Chicago, Ill.
Mason Hammond '49	Cambridge, Mass.
Oscar Handlin '54	Cambridge, Mass.
George Maxim Anossov Hanfmann '53	Cambridge, Mass.
James Blaine Hedges '49	Providence, R. I.
Hugh O'Neill Hencken '43	Chestnut Hill, Mass.
Bert Hodge Hill '14	Athens, Greece
Henry Russell Hitchcock '53	Northampton, Mass.
Richard Hofstadter '56	New York, N. Y.
Hajo Holborn '41	New Haven, Conn.
Wilbur Kitchener Jordan '47	Cambridge, Mass.
Michael Karpovich '50	Cambridge, Mass.
Alfred Vincent Kidder '53	Cambridge, Mass.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Edward Chase Kirkland '55	Thetford Center, Vt.
William Leonard Langer '53	Cambridge, Mass.
Ambrose Lansing '44	Apache Junction, Ariz.
Kenneth Scott Latourette '49	New Haven, Conn.
Waldo Gifford Leland '32	Newton, Mass.
William E. Lingelbach '41	Philadelphia, Pa.
Elias Avery Lowe '44	Princeton, N. J.
Dumas Malone '36	New York, N. Y.
Benjamin Dean Meritt '35	Princeton, N. J.
Robert Earle Moody '53	Boston, Mass.
Elting Elmore Morison '54	Cambridge, Mass.
Samuel Eliot Morison '15	Boston, Mass.
Hallam Leonard Movius, Jr. '52	Cambridge, Mass.
Otto Eduard Neugebauer '46	Princeton, N. J.
Dexter Perkins '57	Rochester, N. Y.
Elliott Perkins '53	Cambridge, Mass.
Robert Henry Pfeiffer '34	Cambridge, Mass.
Philip Phillips '53	Cambridge, Mass.
Conyers Read '50	Villa Nova, Pa.
Edwin Oldfather Reischauer '57	Belmont, Mass.
Stephen Thomas Riley '57	Boston, Mass.
David Moore Robinson '34	University, Miss.
Walt Whitman Rostow '57	Cambridge, Mass.
Arthur Meier Schlesinger, Jr. '55	Cambridge, Mass.
Bernadotte Everly Schmitt '38	Alexandria, Va.
France Vinton Scholes '52	Albuquerque, N. M.
Donald Scott '36	Cambridge, Mass.
Charles Seymour '38	New Haven, Conn.
Clifford Kenyon Shipton '52	Worcester, Mass.
Richard Harrison Shryock '49	Baltimore, Md.
William Stevenson Smith '55	Boston, Mass.
Joseph Reese Strayer '54	Princeton, N. J.
Charles Holt Taylor '32	Cambridge, Mass.
Homer Armstrong Thompson '57	Princeton, N. J.
Samuel Edmund Thorne '56	Cambridge Mass.
Warren Stenson Tryon '53	Boston, Mass.
Henry Rouse Viets '39	Brookline, Mass.
Lynn Townsend White, Jr. '56	Oakland, Calif.
Gordon Randolph Willey '52	Cambridge, Mass.
Robert Lee Wolff '54	Cambridge, Mass.
Louis Booker Wright '49	Washington, D. C.

Class IV, Section 3 — *Philology and Criticism* — 53

Including linguistics, literary and art scholarship, etc.

Walter Jackson Bate '57	Cambridge, Mass.
Peter Boodberg '52	Berkeley, Calif.
Millar Burrows '49	New Haven, Conn.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Oscar James Campbell '49	New York, N. Y.
Yuen Ren Chao '48	Berkeley, Calif.
Walter Eugene Clark '20	Vista, Calif.
William George Constable '46	Cambridge, Mass.
Ronald Salmon Crane '32	Chicago, Ill.
Herbert Dieckmann '56	Cambridge, Mass.
Henry Grattan Doyle '44	Washington, D. C.
Franklin Edgerton '20	Laramie, Wyo.
John Peterson Elder '52	Cambridge, Mass.
Serge Elisséeff '40	Cambridge, Mass.
Edward Waldo Forbes '18	Cambridge, Mass.
Jeremiah Denis Mathias Ford '14	Cambridge, Mass.
Lloyd Goodrich '54	New York, N. Y.
Charles Burton Gulick '13	Scarsdale, N. Y.
Eric Alfred Havelock '53	Cambridge, Mass.
Edith Fishtine Helman '56	Cambridge, Mass.
George Lincoln Hendrickson '18	New Haven, Conn.
William Mills Ivins, Jr. '50	Woodbury, Conn.
Werner Wilhelm Jaeger '40	Watertown, Mass.
Roman Jakobson '50	Cambridge, Mass.
Howard Mumford Jones '38	Cambridge, Mass.
John Vincent Kelleher '57	Westwood, Mass.
Ralph Hayward Keniston '32	Philadelphia, Pa.
Hans Kurath '33	Ann Arbor, Mich.
George Sherman Lane '52	Chapel Hill, N. C.
Paul Henry Lang '53	New York, N. Y.
Wolf Leslau '52	Los Angeles, Calif.
Harry Tuchman Levin '50	Cambridge, Mass.
Wilmarth Sheldon Lewis '54	Farmington, Conn.
Ivan Mortimer Linforth '33	Berkeley, Calif.
William Nash Locke '57	Cambridge, Mass.
Albert Bates Lord '56	Cambridge, Mass.
Millard Meiss '54	Cambridge, Mass.
William Mathewson Milliken '54	Cleveland, Ohio
Kenneth Ballard Murdock '31	Boston, Mass.
Marjorie Hope Nicolson '55	New York, N. Y.
Erwin Panofsky '48	Princeton, N. J.
Henri Maurice Peyre '57	New Haven, Conn.
Renato Poggioli '57	Cambridge, Mass.
Frederick Albert Pottle '57	New Haven, Conn.
Fred Norris Robinson '11	Cambridge, Mass.
Jakob Rosenberg '54	Cambridge, Mass.
Benjamin Rowland, Jr. '55	Cambridge, Mass.
Meyer Schapiro '52	New York, N. Y.
Taylor Starck '45	Cambridge, Mass.
William Freeman Twaddell '47	Princeton, N. J.
Berthold Louis Ullman '48	Chapel Hill, N. C.
Ernest Hatch Wilkins '30	Newton Centre, Mass.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Edgar Wind '51	Oxford, England
Harry Austryn Wolfson '33	Cambridge, Mass.

Class IV, Section 4 – *Fine Arts and Literature* – 61

Marian Anderson '57	Philadelphia, Pa.
Lawrence Bernhardt Anderson '53	Lincoln, Mass.
Alfred Hamilton Barr, Jr. '52	New York, N. Y.
Pietro Belluschi '52	Cambridge, Mass.
Leonard Bernstein '51	New York, N. Y.
Henry Beston '54	Nobleboro, Maine
E. Power Biggs '50	Cambridge, Mass.
Morris Gilbert Bishop '56	Ithaca, N. Y.
William Welles Bosworth '32	Paris, France
Van Wyck Brooks '49	Bridgewater, Conn.
John Nicholas Brown '50	Providence, R. I.
John Ely Burchard '50	Cambridge, Mass.
Richard Burgin '47	Brookline, Mass.
Samuel Chamberlain '45	Marblehead, Mass.
Chiang Yee '56	New York, N. Y.
John Ciardi '53	New Brunswick, N. J.
Chalmers Dancy Clifton '32	New York, N. Y.
Kenneth John Conant '32	Chevy Chase, Md.
Aaron Copland '51	Ossining, N. Y.
Gardner Cox '55	Cambridge, Mass.
John Roderigo Dos Passos '47	Westmoreland County, Va.
Walter Dumaux Edmonds '57	Concord, Mass.
Esther Forbes '49	Worcester, Mass.
Robert Frost '31	Cambridge, Mass.
Walter Gropius '44	Lincoln, Mass.
Bartlett Harding Hayes, Jr. '48	Andover, Mass.
Roland Hayes '53	Brookline, Mass.
Robert Silliman Hillyer '31	Newark, Del.
Philip Hofer '55	Cambridge, Mass.
Charles Hopkinson '27	Manchester, Mass.
Mark Antony DeWolfe Howe '12	Boston, Mass.
William Alexander Jackson '45	Cambridge, Mass.
Gyorgy Kepes '52	Cambridge, Mass.
Otto Kinkeldey '42	South Orange, N. J.
Oliver LaFarge '53	Santa Fe, N. Mex.
Jack Levine '49	New York, N. Y.
David Thompson Watson McCord '53	Cambridge, Mass.
Paul Manship '31	New York, N. Y.
Ludwig Mies van der Rohe '56	Chicago, Ill.
Agnes Mongan '53	Cambridge, Mass.
Charles Munch '50	Boston, Mass.
Thomas Willoughby Nason '54	Old Lyme, Conn.
Robert Treat Paine, Jr. '53	Cambridge, Mass.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Walter Hamor Piston, Jr. '41	Belmont, Mass.
Lucien Price '49	Boston, Mass.
John Crowe Ransom '53	Gambier, Ohio
Rudolph Ruzicka '53	Boston, Mass.
Eero Saarinen '54	Bloomfield, Mich.
Paul Joseph Sachs '22	Cambridge, Mass.
Charles Henry Sawyer '50	Ann Arbor, Mich.
Ellery Sedgwick '14	Beverly, Mass.
José Luis Sert '54	Cambridge, Mass.
Bruce Simonds '48	New Haven, Conn.
George Leslie Stout '54	Worcester, Mass.
Hugh Asher Stubbins '57	Lexington, Mass.
Randall Thompson '43	Cambridge, Mass.
Lionel Trilling '52	New York, N. Y.
Edward Augustus Weeks '46	Boston, Mass.
Elwyn Brooks White '52	New York, N. Y.
George Wallace Woodworth '57	Cambridge, Mass.
William Wilson Wurster '46	Berkeley, Calif.

FELLOWS EMERITI

Total number, 64

CLASS I — MATHEMATICAL AND PHYSICAL SCIENCES — 16

CLASS I, SECTION 2 — *Physics* — 3

Lyman James Briggs '39	Washington, D. C.
Otto Oldenberg '31	Cambridge, Mass.
Maurice deKay Thompson '12	Boston, Mass.

CLASS I, SECTION 3 — *Chemistry* — 3

George Shannon Forbes '15	Cambridge, Mass.
Kenneth Lamartine Mark '32	Boston, Mass.
Ralph Chillingworth Young '41	Arlington, Mass.

CLASS I, SECTION 5 — *Earth Sciences* — 4

Charles Franklin Brooks '33	Milton, Mass.
Sterling Price Fergusson '34	Milton, Mass.
Warren Judson Mead '35	Belmont, Mass.
Hervey Woodburn Shimer '11	Hingham, Mass.

CLASS I, SECTION 6 — *Engineering Sciences and Technologies* — 6

Charles Harold Berry '31	Belmont, Mass.
Emory Leon Chaffee '16	Belmont, Mass.
Hardy Cross '45	Virginia Beach, Va.
Ralph Restieaux Lawrence '32	Belmont, Mass.
Samuel Cate Prescott '14	Cambridge Mass.
Robert Seaton Williams '19	Belmont, Mass.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

CLASS II — Biological Sciences — 12

Section 1 — *Biophysics and Biochemistry* — 3

John Wymond Miller Bunker '28	Belmont, Mass.
Thorne Martin Carpenter '22	Westwood, Mass.
Cyrus Hartwell Fiske '34	Lexington, Mass.

Class II, Section 2 — *Botany and Bacteriology* — 1

Joseph Horace Faull '29	Cambridge, Mass.

Class II, Section 4 — *Physiology and Experimental Psychology* — 2

Edwin Garrigues Boring '24	Cambridge, Mass.
Alexander Forbes '15	Milton, Mass.

Class II, Section 5 — *Medicine* — 6

Sanford Burton Hooker '47	Bradford, Vt.
Arthur Hiler Ruggles '34	Providence, R. I.
Frederick Fuller Russell '32	Louisville, Ky.
Merrill Clary Sosman '47	Chestnut Hill, Mass.
Fritz Bradley Talbot '30	Wianno, Mass.
Carl TenBroeck '52	Bar Harbor, Maine

CLASS III — Social Arts and Sciences — 8

Section 1 — *Social Relations* — 2

Henry Wyman Holmes '32	Cambridge, Mass.
Pitirim Alexandrovitch Sorokin '31	Winchester, Mass.

Class III, Section 2 — *Economics* — 3

William James Cunningham '32	Freedom, N. H.
Clyde Orval Ruggles '31	Cambridge, Mass.
Abbott Payson Usher '33	Salem, Mass.

Class III, Section 5 — *Administration and Affairs* — 3

Bancroft Beatley '49	Belmont, Mass.
Jerome Davis Greene '35	Cambridge, Mass.
Clair Elsmere Turner '36	Arlington, Mass.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

CLASS IV — HUMANITIES — 28

SECTION 1 — *Philosophy and Theology* — 4

William Henry Paine Hatch '30	Randolph, N. H.
William Ernest Hocking '21	Madison, N. H.
Paul Johannes Tillich '50	Cambridge, Mass.
Henry Bradford Washburn '28	Cambridge, Mass.

CLASS IV, SECTION 2 — *History and Archaeology* — 7

Warren Ortman Ault '41	Waban, Mass.
Helen Maud Cam '50	Seven Oaks, Kent, England
Gilbert Chinard '49	Princeton, N. J.
Sidney Bradshaw Fay '31	Cambridge, Mass.
George La Piana '22	Auburndale, Mass.
Charles Howard McIlwain '20	Milton, Mass.
Lily Ross Taylor '51	Bryn Mawr, Pa.

CLASS IV, SECTION 3 — *Philology and Criticism* — 12

Henry Joel Cadbury '42	Haverford, Pa.
George Raleigh Coffman '48	Newton, Mass.
William Chase Greene '25	Center Sandwich, N. H.
Richmond Laurin Hawkins '38	Cambridge, Mass.
William Guild Howard '17	Cambridge, Mass.
Howard Rollin Patch '33	Wellesley, Mass.
Arthur Stanley Pease '32	Cambridge, Mass.
Hyder Edward Rollins '38	Cambridge, Mass.
Heinrich Schneider '53	El Cerrito, Calif.
Archer Taylor '49	Berkeley, Calif.
William Thomson '32	Athol, Mass.
George Benson Weston '33	Cambridge, Mass.

CLASS IV, SECTION 4 — *Fine Arts and Literature* — 5

Archibald Thompson Davison '41	Lincoln, Mass.
Edward Burlingame Hill '29	Francestown, N. H.
Joseph Hudnut '38	Dover, Mass.
Chandler Rathfon Post '21	Cambridge, Mass.
Walter Raymond Spalding ['35] '44	Cambridge, Mass.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

FOREIGN HONORARY MEMBERS

Total number, 150. Number limited to 250.

CLASS I — MATHEMATICAL AND PHYSICAL SCIENCES — 42

SECTION 1 — *Mathematics* — 5

Henri Paul Cartan '50	Paris, France
Arnaud Denjoy '39	Paris, France
Ronald Aylmer Fisher '34	Cambridge, England
Jacques Salomon Hadamard '20	Paris, France
Charles Jean de la Vallée Poussin '15	Brussels, Belgium

CLASS I, SECTION 2 — *Physics* — 13

Niels Bohr '45	Copenhagen, Denmark
Hendrik Brugt Gerhard Casimir '57	Eindhoven, Netherlands
Sir John Douglas Cockcroft '50	Harwell, England
Paul Adrien Maurice Dirac '50	Cambridge, England
Bengt Edlén '57	Lund, Sweden
James Franck '29	Chicago, Ill.
Cornelis Jacobus Gorter '52	Leiden, Holland
Abram F. Joffé '29	Leningrad, U. S. S. R.
Max Felix Theodor von Laue '48	Berlin-Dahlem, Germany
Nevill Francis Mott '54	Cambridge, England
Wolfgang Ernst Pauli '50	Zürich, Switzerland
Erwin Schrödinger '50	Vienna, Austria
Sir George Paget Thomson '47	Cambridge, England

CLASS I, SECTION 3 — *Chemistry* — 8

Peter Debye '27	Ithaca, N. Y.
Jaroslav Heyrovsky '33	Prague, Czechoslovakia
Sir Cyril Norman Hinshelwood '51	Oxford, England
Friedrich Adolf Paneth '33	Mainz, Germany
Sir Robert Robinson '48	London, England
Leopold Ruzicka '38	Zürich, Switzerland
Theodor Svedberg '48	Uppsala, Sweden
Sir Alexander Robertus Todd '57	Cambridge, England

CLASS I, SECTION 4 — *Astronomy* — 5

Ejnar Hertzsprung '27	Villavej, Denmark
Bertil Lindblad '46	Stockholm, Sweden
Alfred Charles Bernard Lovell '55	Manchester, England
Jan Hendrik Oort '46	Leiden, Holland
Sir Harold Spencer-Jones '45	Tunbridge Wells, Kent, England

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Class I, Section 5 — *Earth Sciences* — 6

Sir Edward Victor Appleton '36	Edinburgh, Scotland
Raoul Blanchard '36	Grenoble, France
Sir Edward Crisp Bullard '54	Cambridge, England
Arthur Holmes '34	Edinburgh, Scotland
Sir Harold Jeffreys '54	Cambridge, England
Wong Wen-hao '47	Nanking, China

Class I, Section 6 — *Engineering Sciences and Technologies* — 5

Clarence Decatur Howe '46	Ottawa, Ontario
Luigi Lombardi '34	Rome, Italy
Adolph Meyer '50	Baden, Switzerland
Emil Probst '29	Oxford, England
Sir Geoffrey Ingram Taylor '56	Cambridge, England

CLASS II — Biological Sciences — 41

Section 1 — *Biophysics and Biochemistry* — 10

Sir Charles Robert Harington '51	London, England
George De Hevesy '50	Copenhagen, Denmark
Archibald Vivian Hill '34	London, England
Hans Adolf Krebs '57	Oxford, England
Kaj Ulrik Linderström-Lang '50	Copenhagen, Denmark
Hendrik Gunnar Lundegardh '50	Uppsala, Sweden
Rudolph Albert Peters '50	Oxford, England
Tadeus Reichstein '57	Basel, Switzerland
Axel Hugo Teodor Theorell '50	Stockholm, Sweden
Arne Tiselius '53	Uppsala, Sweden

Class II, Section 2 — *Botany and Bacteriology* — 8

P. Boysen-Jensen '48	Copenhagen, Denmark
Carl Rudolf Florin '46	Stockholm, Sweden
Albert Frey-Wyssling '57	Zürich, Switzerland
P. Maheshwari '47	Dacca, India
Lorenzo Raimundo Parodi '42	Buenos Aires, Argentina
Alf Erling Porsild '47	Ottawa, Ontario
Otto Renner '29	Munich, Germany
Claude Wilson Wardlaw '51	Manchester, England

Class II, Section 3 — *Zoology* — 8

Maurice Caullery '20	Paris, France
Emmanuel Fauré-Frémiet '38	Paris, France
Archibald Gowanlock Huntsman '48	Toronto, Ontario
Konrad Zacharias Johann Albert Lorenz '57	Oberbayern, Germany
Alexander von Muralt '54	Berne, Switzerland
John Axel Mauritz Runnström '55	Stockholm, Sweden
Wilhelm Joseph Schmidt '54	Giessen, Germany
David Meredith Seares Watson '53	London, England

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Class II, Section 4 — *Physiology and Experimental Psychology* — 11

Edgar Douglas Adrian '38	Cambridge, England
Charles Herbert Best '48	Toronto, Ontario
Robert Marie Jules Constant Courrier '56	Paris, France
Sir Henry Hallett Dale '27	London, England
Honor Bridget Fell '57	Cambridge, England
Karl von Frisch '52	Munich, Germany
Bernado Alberto Houssay '41	Buenos Aires, Argentina
Wolfgang Köhler '28	Swarthmore, Pa.
Henri Piéron '37	Paris, France
Sir Godfrey Hilton Thomson '47	Edinburgh, Scotland
John Zachary Young '57	London, England

Class II, Section 5 — *Medicine* — 4

Sir Aldo Castellani '39	Lisbon, Portugal
James Bertram Collip '52	London, Ontario
Sir Harold Percival Himsworth '57	London, England
Wilder Graves Penfield '50	Montreal, Quebec

CLASS III — Social Arts and Sciences — 34

Section 1 — *Social Relations* — 3

Alfonso Caso Andrade '52	Mexico, D. F.
Jean Piaget '57	Geneva, Switzerland
Alfred Weber '55	Heidelberg, Germany

Class III, Section 2 — *Economics* — 6

Daniel Cosío Villegas '44	Mexico, D. F.
Geoffrey Crowther '52	London, England
Luigi Einaudi '35	Rome, Italy
Ralph George Hawtrey '32	London, England
Arthur Cecil Pigou '28	Cambridge, England
Dennis Holme Robertson '45	Cambridge, England

Class III, Section 3 — *Political Science* — 2

José d'Almada '48	Lisbon, Portugal
Alfredo Lorenzo Palacios '45	Buenos Aires, Argentina

Class III, Section 4 — *Law* — 12

Victor Andres Belaunde '44	Lima, Peru
Paal Berg '47	Oslo, Norway
Sir Owen Dixon '56	Melbourne, Australia
Francis Raymond Baron Evershed '56	London, England
François Gény '33	Nancy, France

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Arthur Lehman Goodhart '38	Oxford, England
Hans Kelsen '33	Berkeley, Calif.
Léon Julliot de la Morandière '48	Paris, France
Kenzo Takayanagi '38	Tokyo, Japan
Giorgio Del Vecchio '33	Rome, Italy
Baron Wright (Robert Alderson Wright) '38	Burbage, Wilts, England
John C. H. Wu '38	Vatican City, Italy

Class III, Section 5 — *Administration and Affairs* — 11

Heinrich Brüning '38	Cologne, Germany
Winston Churchill '46	London, England
Herbert Vere Evatt '50	Canberra, Australia
Dag Hjalmar Agne Carl Hammarskjöld '57	United Nations, N. Y.
Hu Shih '32	New York, N. Y.
Trygve Halvdan Lie '50	Lake Success, N. Y.
Charles Habib Malik '51	New York, N. Y.
Jawaharlal Nehru '50	New Delhi, India
Lester Bowles Pearson '57	Ottawa, Canada
Paul-Henri Spaak '50	Brussels, Belgium
Sir Stanley Unwin '50	London, England

CLASS IV — Humanities — 33

Section 1 — *Philosophy and Theology* — 6

Karl Barth '50	Basel, Switzerland
Etienne Gilson '29	Toronto, Ontario
Alexandre Koyré '56	Paris, France
Francisco Romero '46	Buenos Aires, Argentina
Sir William David Ross '50	Oxford, England
Albert Louis Philipp Schweitzer '54	Lambaréné, French Equatorial Africa

Class IV, Section 2 — *History and Archaeology* — 5

Sir John Davidson Beazley '54	Oxford, England
George Norman Clark '50	Oxford, England
John Ernest Neale '50	London, England
Nils Martin Persson Nilsson '40	Lund, Sweden
Arnold Joseph Toynbee '49	Oxford, England

Class IV, Section 3 — *Philology and Criticism* — 11

Marcel Aubert '36	Paris, France
Jean-Marie Carré '48	Paris, France
Sir Alan Henderson Gardiner '57	Oxford, England
Hamilton Alexander Rosskeen Gibb '47	Cambridge, Mass.
Joseph Klausner '47	Jerusalem, Israel
Ramón Menéndez Pidal '17	Madrid, Spain
Roger Aubrey Baskerville Mynors '50	Cambridge, England
Tomás Navarro '45	Northampton, Mass.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Jan Hendrik Scholte '48	Amsterdam, Holland
Levin Ludwig Schücking '49	Farchant, Oberbayern, Germany
George Macaulay Trevelyan '31	Cambridge, England

Class IV, Section 4 — *Fine Arts and Literature* — 11

Hugo Alvar Henrik Aalto '57	Helsinki, Finland
Fernand Baldensperger '40	Paris, France
Thomas Stearns Eliot '54	London, England
Paul Hindemith '40	Vevey-Vaud, Switzerland
Charles-Edouard Jeanneret *dit* Le Corbusier '56	Paris, France
Henry Moore '55	Much Hadham, Herts, England
Oscar Niemeyer '49	Rio de Janeiro, Brazil
Igor Stravinsky '40	Hollywood, Calif.
Jaime Torres Bodet '52	Paris, France
Ralph Vaughan Williams '57	London, England
Rebecca West '50	Ibstone, Bucks, England

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Alphabetical Index of Members

The letters *F*, *FE* and *FHM* refer to the lists of Fellows, Fellows Emeriti and Foreign Honorary Members, respectively. The class and section are indicated by the numerals following. This list is as of January 1, 1958.

Aalto, H. A. *FHM*, IV:4
Abbott, C. G. *F*, I:4
Acheson, D. G. *F*, III:5
Adams, C. A. *F*, I:6
Adams, C. R. *F*, I:1
Adams, F. B., Jr. *F*, III:5
Adams, J. *F*, III:5
Adams, R. *F*, I:3
Adams, R. D. *F*, II:5
Adams, T. B. *F*, III:5
Adelman, M. A. *F*, III:2
Adolph, E. F. *F*, II:4
Adrian, E. D. *FHM*, II:4
Aiken, H. H. *F*, I:1
Albright W. F. *F*, IV:1
Aldrich, B. *F*, III:4
Allen, A. W. *F*, II:5
Allis, W. P. *F*, I:2
d'Almada, J. *FHM*, III:3
Alter, C. M. *F*, III:5
Amdur, I. *F*, I:3
Anderson, C. A. *F*, I:5
Anderson, C. D. *F*, I:2
Anderson, E. *F*, II:2
Anderson, L. B. *F*, IV:4
Anderson, M. *F*, IV:4
Anderson, O. K. *F*, III:5
Angell, J. W. *F*, III:2
Anslow, G. A. *F*, I:2
Appleton, E. V. *FHM*, I:5
Artin, E. *F*, I:1
Astwood, E. B. *F*, II:5
Aub, J. C. *F*, II:5
Aubert, M. *FHM*, IV:3
Augustine, D. L. *F*, II:5
Ault, W. O. *FE*, IV:2
Austin, J. M. *F*, I:5
Ayer, J. B. *F*, II:5
Bacher, R. F. *F*, I:2
Bailey, I. W. *F*, II:2
Bainbridge, K. T. *F*, I:2
Bainton, R. H. *F*, IV:2
Baird, W. S. *F*, I:6
Baker, G. P. *F*, III:5
Baker, J. G. *F*, I:4
Balch, F. G. *F*, II:5
Balch, F. N. *F*, III:4
Baldensperger, F. *FHM*, IV:4
Baldwin, H. I. *F*, II:2
Baldwin, R. N. *F*, III:3
Ball, E. G. *F*, II:1
Bard, P. *F*, II:4
Barghoorn, E. S. *F*, II:2
Barnard, C. I. *F*, III:5
Barnes, J. L. *F*, I:1
Barr, A. H., Jr. *F*, IV:4
Barth, K. *FHM*, IV:1
Bartlett, P. D. *F*, I:3
Barzun, J. *F*, IV:2
Bate, W. J. *F*, IV:3
Bateman, A. M. *F*, I:5
Bauer, W. *F*, II:5
Baxter, J. P., 3d. *F*, IV:2
Beach, F. A. *F*, II:4
Beams, J. W. *F*, I:2
Bear, R. S. *F*, II:1
Beatley, B. *FE*, III:5
Beattie, J. A. *F*, I:3
Beazley, J. D. *FHM*, IV:2
Beebe-Center, J. G. *F*, II:4
Beecher, H. K. *F*, II:5
Beers, R. F. *F*, I:5
Békésy, *see* von Békésy
Belaunde, V. A. *FHM*, III:4
Belding, D. L. *F*, II:5
Bell, S. *F*, III:4
Belluschi, P. *F*, IV:4
Benedict, M. *F*, I:6

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Benítez, J. *F*, III:5
Bennett, A. A. *F*, I:1
Bennett, H. S. *F*, II:4
Beranek, L. L. *F*, I:6
Berg, P. *FHM*, III:4
Bergman, S. *F*, I:1
Berkner, L. V. *F*, I:2
Berle, A. A., Jr. *F*, III:4
Bernstein, L. *F*, IV:4
Berry, C. H. *FE*, I:6
Berry, G. P. *F*, II:5
Best, C. H. *FHM*, II:4
Beston, H. *F*, IV:4
Bever, M. B. *F*, I:6
Bevis, H. L. *F*, III:5
Bigelow, H. B. *F*, II:3
Biggs, E. P. *F*, IV: 4
Billings, B. H. *F*, I:2
Billings, M. P. *F*, I:5
Birch, F. *F*, I:5
Birkhoff, G. *F*, I:1
Bishop, M. G. *F*, IV:4
Bisplinghoff, R. L. *F*, I:6
Bissell, R. M. *F*, III:2
Bitter, F. *F*, I:2
Bixler, J. S. *F*, IV:1
Black, S. B. *F*, III:5
Blake, C. H. *F*, II:3
Blalock, A. *F*, II:5
Blanchard, R. *FHM*, I:5
Blanshard, B. *F*, IV:1
Blinks, L. R. *F*, II:2
Bloch, F. *F*, I:2
Bloch, H. *F*, IV:2
Bloch, K. E. *F*, II:1
Bloembergen, N. *F*, I:2
Blout, E. R. *F*, I:3
Blumer, G. *F*, II:5
Blumgart, H. L. *F*, II:5
Boas, G. *F*, IV:1
Boas, M. *F*, IV:2
Bock, A. V. *F*, II:5
Boell, E. J. *F*, II:3
Bohlen, C. E. *F*, III:5
Bohr, N. *FHM*, I:2
Bok, B. J. *F*, I:4
Bolt, R. H. *F*, I:2
Bonbright, J. C. *F*, III:2
Boodberg, P. *F*, IV:3
Booth, E. P. *F*, IV:1
Boring, E. G. *FE*, II:4
Bosworth, W. W. *F*, IV:4
Boulding, K. E. *F*, III:2
Bovie, W. T. *F*, II:1
Bowen, I. S. *F*, I:4
Bowie, R. R. *F*, III:4
Bowles, C. *F*, III:5
Bowles, E. L. *F*, I:6
Boyd, W. C. *F*, II:1
Boyden, E. A. *F*, II:4
Boysen-Jensen, P. *FHM*, II:2
Brace, L. DeW. *F*, III:2
Bradley, W. H. *F*, I:5
Branch, C. R. *F*, III:4
Brattain, W. H. *F*, I:2
Brauer, R. D. *F*, I:1
Brazier, M. A. B. *F*, II:4
Breit, G. *F*, I:2
Bremer, J. L. *F*, II:3
Brew, J. O. *F*, IV:2
Brewster, K., Jr. *F*, III:4
Bridgman, P. W. *F*, I:2
Briggs, L. J. *FE*, I:2
Brigham, C. S. *F*, IV:2
Bronk, D. W. *F*, III:5
Bronner, A. F. *F*, III:1
Brooks, C. F. *FE*, I:5
Brooks, H. *F*, I:2
Brooks, V. W. *F*, IV:4
Brouwer, D. *F*, I:4
Brown, D. E., *see* Denny-Brown
Brown, D. V. *F*, III:2
Brown, G. S. *F*, I:6
Brown, J. N. *F*, IV:4
Brown, S. C. *F*, I:2
Brown, T. H. *F*, III:2
Bruce, H. A. *F*, III:1
Brues, A. M. *F*, II:5
Bruner, J. S. *F*, III:1
Brüning, H. *FHM*, III:5
Buchanan, J. M. *F*, II:1
Bucher, W. H. *F*, I:5
Büchi, G. H. *F*, I:3
Buckley, O. E. *F*, I:6
Buddington, A. F. *F*, I:5
Budka, Mrs. M. J. E., *see* Low, B. W.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Buechner, W. W. *F*, I:2
Buerger, M. J. *F*, I:5
Bullard, E. C. *FHM*, I:5
Bunche, R. J. *F*, III:3
Bundy, H. H. *F*, III:4
Bundy, M. *F*, III:3
Bunker, J. W. M. *FE*, II:1
Burchard, J. E. *F*, IV:4
Burdell, E. S. *F*, III:1
Burgin, R. *F*, IV:4
Burns, A. F. *F*, III:2
Burns, J. M. *F*, III:3
Burrows, M. *F*, IV:3
Burwell, C. S. *F*, II:5
Bush, V. *F*, I:6
Butler, A. M. *F*, II:5
Butterfield, L. H. *F*, IV:2
Butterfield, V. L. *F*, IV:1
Buttrick, G. A. *F*, IV:1
Cabot, G. L. *F*, I:3
Cabot, T. D. *F*, III:5
Cadbury, H. J. *FE* IV:3
Cady, W. G. *F*, I:2
Caldwell, R. G. *F*, III:3
Cam, H. M. *FE* IV:2
Campbell, L. L. *F*, I:2
Campbell, O. J. *F*, IV:3
Canham, E. D. *F*, III:5
Carmichael, L. *F*, II:4
Carnap, R. *F*, IV:1
Carpenter, F. M. *F*, II:3
Carpenter, T. M. *FE*, II:1
Carr, R. K. *F*, III:3
Carré, J.-M. *FHM*, IV:3
Carrier, G. F. *F*, I:6
Cartan, H. P. *FHM*, I:1
Casagrande, A. *F*, I:6
Case, H. C. *F*, IV:1
Casey, R. P. *F*, IV:1
Casimir, H. B. G. *FHM*, I:2
Caso Andrade, A. *FHM*, III:1
Castellani, Sir A. *FHM*, II:5
Castle, E. S. *F*, II:2
Castle, W. B. *F*, II:5
Castle, W. E. *F*, II:3
Castle, W. R. *F*, III:5
Caullery, M. *FHM*, II:3
Cavers, D. F. *F*, III:4
Chadwick, L. E. *F*, II:4
Chaffee, E. L. *FE* I:6
Chalmers, B. *F*, I:6
Chamberlain, S. *F*, IV:4
Chance, B. *F*, II:1
Chandrasekhar, S. *F*, I:4
Chang, M. C. *F*, II:3
Chao, Y. R. *F*, IV:3
Charney, J. G. *F*, I:5
Cheadle, V. I. *F*, II:2
Cherington, C. R. *F*, III:3
Chiang Yee *F*, IV:4
Chinard, G. *FE*, IV:2
Chipman, J. *F*, I:6
Christensen, H. N. *F*, II:1
Churchill, E. D. *F*, II:5
Churchill, W. *FHM*, III:5
Ciardi, J. *F*, IV:4
Claflin, W. H. *F*, III:5
Clagett, M. *F*, IV:2
Clapp, M. *F*, III:5
Clark, D. A. *F*, III:5
Clark, G. N. *FHM*, IV:2
Clark, J. M. *F*, III:2
Clark, P. F. *F*, III:5
Clark, W. E. *F*, IV:3
Clark, W. I. *F*, II:5
Clarke, G. L. *F*, II:3
Clausen, J. C. *F*, II:2
Clayton, W. L. *F*, III:2
Cleland, R. E. *F*, II:2
Clemence, G. M. *F*, I:4
Cleveland, L. R. *F*, II:3
Clifton, C. D. *F*, IV:4
Cochrane, E. L. *F*, I:6
Cockcroft, Sir J. D. *FHM*, I:2
Coffman, G. R. *FE*, IV:3
Cogan, D. G. *F*, II:5
Cohen, I. B. *F*, IV:2
Cohen, M. *F*, I:6
Cohen, S. G. *F*, I:3
Cole, A. H. *F*, III:2
Cole, C. W. *F*, IV:2
Cole, R. *F*, II:5
Cole, R. H. *F*, I:3
Collins, S. C. *F*, I:6
Collip, J. B. *FHM*, II:5
Compton, A. H. *F*, I:2

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Comstock, A. L., *see* Notestein
Comstock, D. F. *F*, I:2
Conant, J. B. *F*, IV:1
Conant, K. J. *F*, IV:4
Condon, E. U. *F*, I:2
Constable, W. G. *F*, IV:3
Constance, L. *F*, II:2
Coolidge, A. S. *F*, I:3
Coolidge, C. A. *F*, III:4
Coolidge, J. P. *F*, III:5
Coolidge, W. D. *F*, I:2
Coon, C. S. *F*, III:1
Coons, A. H. *F*, II:2
Cooper, J. C. *F*, III:4
Cope, A. C. *F*, I:3
Cope, O. *F*, II:5
Copeland, M. *F*, II:3
Copland, A. *F*, IV:4
Cori, C. F. *F*, II:1
Coryell, C. D. *F*, I:3
Cosío Villegas, D. *FHM*, III:2
Couch, W. T. *F*, III:5
Courrier, R. M. J. C. *FHM*, II:4
Cox, A. *F*, III:4
Cox, G. *F*, IV:4
Crane, R. S. *F*, IV:3
Crane, R. T. *F*, III:3
Crawford, F. H. *F*, I:2
Cross, H. *FE*, I:6
Cross, P. C. *F*, I:3
Crowther, G. *FHM*, III:2
Cunningham, W. J. *FE*, III:2
Curti, M. E. *F*, IV:2
Curtis, C. P. *F*, III:4
Cushman, R. E. *F*, III:3
Cutler, R. *F*, III:5
Cutter, R. A. *F*, III:4
Dahl, O. G. C. *F*, I:6
Dale, Sir H. H. *FHM*, II:4
d'Almada, *see* Almada
Dalton, M. B. *F*, III:5
Daniels, F. *F*, I:3
David, D. K. *F*, III:5
Davis, H. *F*, II:4
Davis, S. R. *F*, III:5
Davison, A. T. *FE*, IV:4
Davisson, C. J. *F*, I:2
Dawes, C. L. *F*, I:6
Dawson, A. B. *F*, II:3
Day, A. L. *F*, I:5
Debye, P. *FHM*, I:3
De Hevesy, *see* Hevesy
de la Morandière, *see* Morandière
de la Vallée Poussin, *see* Vallée
Del Vecchio, *see* Vecchio
de Santillana, *see* Santillana
Dempsey, E. W. *F*, II:3
Den Hartog, J. P. *F*, I:6
Denjoy, A. *FHM*, I:1
Denny-Brown, D. E. *F*, II:5
Deutsch, K. W. *F*, III:3
Deutsch, M. *F*, I:2
Dewey, B. *F*, I:6
Dewhurst, J. F. *F*, III:2
Dewing, A. S. *F*, III:2
Dexter, L. *F*, II:5
Dickey, J. S. *F*, III:5
Dieckmann, H. *F*, IV:3
Dill, D. B. *F*, II:4
Dillon, T. H. *F*, I:6
Dinsmoor, W. B. *F*, IV:2
Dirac, P. A. M. *FHM*, I:2
Dixon, O. *FHM*, III:4
Dobzhansky, T. *F*, II:3
Dodge, B. O. *F*, II:2
Dodge, E. S. *F*, III:5
Dodge, R. G. *F*, III:4
Doering, C. R. *F*, III:1
Doering, W. von E. *F*, I:3
Doisy, E. A. *F*, II:1
Dollard, C. *F*, III:5
Dollard, J. *F*, III:1
Dorfman, R. I. *F*, II:1
Dos Passos, J. R. *F*, IV:4
Doty, P. M. *F*, I:3
Douglas, J. *F*, I:1
Douglas, P. H. *F*, III:2
Doyle, H. G. *F*, IV:3
Draper, C. S. *F*, I:6
Drucker, D. C. *F*, I:6
Dubinsky, D. *F*, III:5
Du Bois, C. *F*, III:1
Du Bois, E. F. *F*, II:4
Ducasse, C. J. *F*, IV:1
Dun, A. *F*, IV:1
Dunbar, C. O. *F*, I:5

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Duncan, J. C. *F*, I:4
Dunham, D. *F*, IV:2
Dunlop, J. T. *F*, III:2
Dunn, L. C. *F*, II:3
Dunphy, J. E. *F*, II:5
Durand, W. F. *F*, I:6
du Vigneaud, *see* Vigneaud
Dvornik, F. *F*, IV:2
Eames, A. J. *F*, II:2
Eastham, M. *F*, I:6
Edgerton, F. *F*, IV:3
Edgerton, H. E. *F*, I:6
Edinger, T. *F*, II:3
Edlén, B. *FHM*, I:2
Edmonds, W. D. *F*, IV:4
Edsall, G. *F*, II:5
Edsall, J. T. *F*, II:1
Edwards, D. F. *F*, III:5
Einaudi, L. *FHM*, III:2
Elder, J. P. *F*, IV:3
Eliot, F. M. *F*, IV:1
Eliot, T. H. *F*, III:3
Eliot, T. S. *FHM*, IV:4
Elisséeff, S. *F*, IV:3
Ell, C. S. *F*, III:5
Elvehjem, C. A. *F*, II:1
Emerson, R. *F*, II:2
Emerson, R. *F*, II:1
Emerson, R. *F*, III:3
Emmons, H. W. *F*, I:6
Enders, J. F. *F*, II:5
Engel, L. L. *F*, II:1
Esau, K. *F*, II:2
Evans, A. W. *F*, II:2
Evans, G. C. *F*, I:1
Evans, H. M. *F*, II:3
Evans, R. D. *F*, I:2
Evatt, H. V. *FHM*, III:5
Evershed, F. R. *FHM*, III:4
Ewald, P. P. *F*, I:2
Ewalt, J. R. *F*, II:5
Ewell, A. W. *F*, I:2
Ewen, H. I. *F*, I:4
Ewing, W. M. *F*, I:5
Fainsod, M. *F*, III:3
Fair, G. M. *F*, I:6
Fairbank, J. K. *F*, IV:2
Fairchild, F. R. *F*, III:2
Fairman, C. *F*, III:4
Farber, S. *F*, II:5
Farley, J. W. *F*, III:4
Farnsworth, D. L. *F*, II:5
Farnsworth, H. E. *F*, I:2
Faulkner, J. M. *F*, II:5
Faull, J. H. *FE*, II:2
Fauré-Frémiet, E. *FHM*, II:3
Fawcett, D. W. *F*, II:3
Fay, S. B. *FE*, IV:2
Feld, B. T. *F*, I:2
Fell, H. B. *FHM*, II:4
Fenn, W. O. *F*, II:4
Fergusson, S. P. *FE*, I:5
Feshbach, H. *F*, I:2
Field, W. L. W. *F*, III:5
Fieser, L. F. *F*, I:3
Fine, J. *F*, II:5
Finkelstein, L. *F*, IV:1
Finland, M. *F*, II:5
Finletter, T. K. *F*, III:5
Fisher, R. A. *FHM*, I:1
Fisk, J. B. *F*, I:2
Fiske, C. H. *FE*, II:1
Flanders, R. E. *F*, III:5
Florin, C. R. *FHM*, II:2
Flory, P. J. *F*, I:3
Folch-Pi, J. *F*, II:1
Folsom, M. B. *F*, III:5
Forbes, A. *FE*, II:4
Forbes, E. *F*, IV:4
Forbes, E. W. *F*, IV:3
Forbes, G. S. *FE*, I:3
Forbes, W. C. *F*, III:5
Ford, H. S. *F*, III:5
Ford, J. D. M. *F*, IV:3
Fosdick, R. B. *F*, III:5
Foster, A. S. *F*, II:2
Franck, J. *FHM* I:2
Frank, N. H. *F*, I:2
Frank, P. *F*, I:2
Franklin, P. *F*, I:1
Freeman, H. A. *F*, III:2
Freeman, R. E. *F*, III:2
French, E. S. *F*, III:5
Freund, P. A. *F*, III:4
Frey-Wyssling, A. *FHM*, II:2
Friedman, F. L. *F*, I:2

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Friedrich, C. J. *F*, III:3
Frisch, D. H. *F*, I:2
Frisch, K. von *FHM*, II:4
Frondel, C. *F*, I:5
Frost, R. *F*, IV:4
Fruton, J. S. *F*, II:1
Fuess, C. M. *F*, IV:2
Fulbright, J. W. *F*, III:3
Fuller, L. L. *F*, III:4
Fulton, J. F. *F*, II:4
Furniss, E. S. *F*, III:2
Furry, W. H. *F*, I:2
Furth, J. *F*, II:5
Gaither, H. R., Jr. *F*, III:5
Galbraith, J. K. *F*, III:2
Gamble, J. L. *F*, II:5
Gaposchkin, C. P., *see* Payne-Gaposchkin, C.
Gardiner, A. H. *FHM*, IV:3
Gardner, J. W. *F*, III:1
Garland, J. *F*, II:5
Garrels, R. M. *F*, I:5
Garrison, L. K. *F*, III:4
Gasser, H. S. *F*, II:4
Gast, P. R. *F*, II:2
Gaudin, A. M. *F*, I:6
Gaus, J. M. *F*, III:3
Geiringer, H. *F*, I:1
Gény, F. *FHM*, III:4
Gerard, R. W. *F*, II:4
Gesell, A. L. *F*, II:4
Getting, I. A. *F*, I:6
Giauque, W. F. *F*, I:3
Gibb, H. A. R. *FHM*, IV:3
Gibson, R. *F*, I:5
Gilliland, E. R. *F*, I:6
Gilluly, J. *F*, I:5
Gilmore, M. P. *F*, IV:2
Gilson, E. *FHM*, IV:1
Gleason, A. M. *F*, I:1
Glueck, S. *F*, III:1
Goddard, D. R. *F*, II:2
Gödel, K. *F*, I:1
Gold, T. *F*, I:4
Goldberg, L. *F*, I:4
Golden, C. S. *F*, III:1
Goldman, H. *F*, IV:2
Goldstein, S. *F*, I:6
Goodale, J. L. *F*, II:5
Goodhart, A. L. *FHM*, III:4
Goodrich, C. *F*, III:2
Goodrich, H. F. *F*, III:4
Goodrich, L. *F*, IV:3
Goodrich, L. M. *F*, III:3
Goodwin, R. H. *F*, II:2
Gorter, C. J. *FHM*, I:2
Gottschalk, L. *F*, IV:2
Graham, C. H. *F*, II:4
Graham, F. P. *F*, III:5
Graton, L. C. *F*, I:5
Gray, F. C. *F*, III:5
Green, T. F. *F*, III:4
Greene, H. S. N. *F*, II:5
Greene, J. D. *FE*, III:5
Greene, T. M. *F*, IV:1
Greene, W. C. *FE*, IV:3
Greenewalt, C. H. *F*, III:5
Greenstein, J. L. *F*, I:4
Greep, R. O. *F*, II:4
Gregory, W. K. *F*, II:3
Grew, J. C. *F*, III:5
Griffin, D. R. *F*, II:3
Grinnell, F. W. *F*, III:4
Griswold, A. W. *F*, III:5
Griswold, E. N. *F*, III: 4
Gropius, W. *F*, IV:4
Gross, R. E. *F*, II:5
Guillemin, E. A. *F*, I:6
Gulick, C. B. *F*, IV:3
Gutenberg, B. *F*, I:5
Guthrie, E. R. *F*, II:4
Hadamard, J. S. *FHM*, I:1
Haertlein, A. *F*, I:6
Hagen, J. P. *F*, I:4
Hall, J. L. *F*, III:4
Halm, G. N. *F*, III:2
Ham, T. H. *F*, II:5
Hamilton, E. J. *F*, III:2
Hammarskjöld, D. H. A. C. *FHM*, III:5
Hammond, M. *F*, IV:2
Hand, L. *F*, III:4
Handlin, O. *F*, IV:2
Hanfmann, G. M. A. *F*, IV:2
Hardy, A. C. *F*, I:2
Harington, Sir C. R. *FHM*, II:1
Harno, A. J. *F*, III:4

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Harrar, J. G. *F*, III:5
Harriman, W. A. *F*, III:5
Harris, L. *F*, I:3
Harris, S. E. *F*, III:2
Harrison, G. R. *F*, I:2
Harrison, J. H. *F*, II:5
Harrison, R. G. *F*, II:3
Hartline, H. K. *F*, II:1
Hartz, L. *F*, III:3
Harvey, E. N. *F*, II:1
Haskins, C. P. *F*, II:3
Hastie, W. H. *F*, III:4
Hastings, A. B. *F*, II:1
Hatch, F. W. *F*, III:5
Hatch, W. H. P. *FE*, IV:1
Havelock, E. A. *F*, IV:3
Hawkins, R. L. *FE*, IV:3
Hawthorne, W. R. *F*, I:6
Hawtrey, R. G. *FHM*, III:2
Hayes, B. H., Jr. *F*, IV:4
Hayes, R. *F*, IV:4
Hayman, J. M., Jr. *F*, II:5
Hazen, H. L. *F*, I:6
Heald, H. T. *F*, III:5
Healy, W. *F*, II:5
Healy, Mrs. W., *see* Bronner, A. F.
Hechter, O. M. *F*, II:1
Hedges, J. B. *F*, IV:2
Heidt, L. J. *F*, I:3
Heins, M. H. *F*, I:1
Helman, E. F. *F*, IV:3
Hempel, C. G. *F*, IV:1
Hench, P. S. *F*, II:5
Hencken, H. O. *F*, IV:2
Hendrickson, G. L. *F*, IV:3
Herring, E. P. *F*, III:3
Herter, C. A. *F*, III:5
Hertig, A. T. *F*, II:5
Hertzsprung, E. *FHM*, I:4
Hevesy, G., De *FHM*, II:1
Hewett, D. F. *F*, I:5
Heyrovsky, J. *FHM*, I:3
Hill, A. G. *F*, I:6
Hill, A. V. *FHM*, II:1
Hill, B. H. *F*, IV:2
Hill, E. B. *FE*, IV:4
Hille, E. *F*, I:1
Hillyer, R. S. *F*, IV:4
Himsworth, H. P. *FHM*, II:5
Hindemith, P. *FHM*, IV:4
Hinshelwood, Sir C. N. *FHM*, I:3
Hippel, *see* von Hippel
Hisaw, F. L. *F*, II:3
Hitchcock, H. R. *F*, IV:2
Hoadley, L. *F*, II:3
Hoagland, H. *F*, II:4
Hockett, R. C. *F*, I:3
Hocking, W. E. *FE*, IV:1
Hodgkinson, H. D. *F*, III:5
Hofer, P. *F*, IV:4
Hoffman, P. G. *F*, III:2
Hofstadter, R. *F*, IV:2
Holborn, H. *F*, IV:2
Holcombe, A. N. *F*, III:3
Holmes, A. *FHM*, I:5
Holmes, H. W. *FE*, III:1
Holmes, S. J. *F*, II:3
Holtfreter, J. F. K. *F*, II:3
Holton, G. *F*, I:2
Homans, G. C. *F*, III:1
Hooker, S. B. *FE*, II:5
Hopkins, E. M. *F*, III:5
Hopkinson, C. *F*, IV:4
Hornig, D. F. *F*, I:3
Horsfall, J. G. *F*, II:2
Horsky, C. A. *F*, III:4
Hoskins, Mrs. A. L., *see* Forbes, E.
Hoskins, H. L. *F*, III:5
Hoskins, R. G. *F*, II:4
Hottel, H. C. *F*, I:6
Houghton, H. G. *F*, I:5
Houssay, B. A. *FHM*, II:4
Houston, W. V. *F*, I:2
Hovland, C. I. *F*, III:1
Howard, R. A. *F*, II:2
Howard, W. G. *FE*, IV:3
Howe, C. D. *FHM*, I:6
Howe, M. A. DeW. *F*, IV:4
Howells, W. W. *F*, II:3
Hrones, J. A. *F*, I:6
Hubbert, M. K. *F*, I:5
Hu Shih. *FHM*, III:5
Hudnut, J. *FE*, IV:4
Huggins, C. B. *F*, II:5
Hughes, W. L., Jr. *F*, II:1
Hume, D. N. *F*, I:3

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Hunsaker, J. C. *F*, I:6
Hunt, B. C. *F*, III:2
Hunt, F. V. *F*, I:2
Huntress, E. H. *F*, III:5
Huntsman, A. G. *FHM*, II:3
Hurlbut, C. S., Jr. *F*, I:5
Hurley, P. M. *F*, I:5
Hutchinson, G. E. *F*, II:3
Ingelfinger, F. J. *F*, II:5
Ingle, D. J. *F*, II:4
Ippen, A. T. *F*, I:6
Irvine, J. W. *F*, I:3
Ivins, W. M., Jr. *F*, IV:3
Iwasawa, K. *F*, I:1
Jackson, H., Jr. *F*, II:5
Jackson, W. A. *F*, IV:4
Jaeger, W. W. *F*, IV:3
Jakobson, R. *F*, IV:3
Janeway, C. A. *F*, II:5
Jeanneret, C.-E., *see* Le Corbusier, C.-E.
Jefferson, H. B. *F*, III:5
Jeffreys, H. *FHM*, I:5
Jellinek, E. M. *F*, I:1
Jessup, P. C. *F*, III:3
Joffé, A. F. *FHM*, I:2
Johnston, I. M. *F*, II:2
Jones, C. M. *F*, II:5
Jones, D. F. *F*, II:2
Jones, H. M. *F*, IV:3
Jones, R. C. *F*, I:2
Jones, *see* Spencer-Jones
Jordan, W. K. *F*, IV:2
Joslin, E. P. *F*, II:5
Kantrowitz, A. R. *F*, I:6
Kármán, T., von *F*, I:6
Karpovich, M. *F*, IV:2
Katz, M. *F*, III:4
Kaye, J. *F*, I:6
Kaysen, C. *F*, III:2
Keefer, C. S. *F*, II:5
Keenan, J. H. *F*, I:6
Keeney, B. C. *F*, III:5
Kelleher, J. V. *F*, IV:3
Keller, H. *F*, III:5
Kelsen, H. *FHM*, III:4
Kemble, E. C. *F*, I:2
Kendall, E. C. *F*, II:1
Kendall, H. P. *F*, III:5
Kenealy, W. J. *F*, III:4
Keniston, R. H. *F*, IV:3
Kennan, G. F. *F*, III:3
Kennedy, J. F. *F*, III:3
Kepes, G. *F*, IV:4
Keppel, F. *F*, III:1
Kerr, C. *F*, III:5
Ketchum, P. *F*, III:4
Key, V. O., Jr. *F*, III:3
Keyes, F. G. *F*, I:3
Kidder, A. V. *F*, IV:2
Kidder, G. W. *F*, II:1
Killian, J. R., Jr. *F*, III:5
Kimball, G. E. *F*, I:3
Kindleberger, C. P. *F*, III:2
King, G. W. *F*, I:3
King, R. W. P. *F*, I:2
Kinkeldey, O. *F*, IV:4
Kirkland, E. C. *F*, IV:2
Kirkwood, J. G. *F*, I:3
Kistiakowsky, G. B. *F*, I:3
Klausner, J. *FHM*, IV:3
Kleinschmidt, R. V. *F*, I:6
Kluckhohn, C. K. M. *F*, III:1
Klüver, H. *F*, II:4
Knight, F. H. *F*, III:2
Knipp, J. K. *F*, I:2
Knopf, A. *F*, I:5
Köhler, W. *FHM*, II:4
Koyré, A. *FHM*, IV:1
Kraus, C. A. *F*, I:3
Krayer, O. *F*, II:4
Krebs, H. A. *FHM*, II:1
Kristeller, P. O. *F*, IV:1
Kroeber, A. L. *F*, III:1
Kuiper, G. P. *F*, I:4
Kummel, B. *F*, I:5
Kurath, H. *F*, IV:3
Kuznets, S.S. *F*, III:2
LaFarge, J. *F*, IV:1
LaFarge, O. *F*, IV:4
Lake, W. S. *F*, III:5
Lamb, I. M. *F*, II:2
Land, E. H. *F*, I:2
Landauer, W. *F*, II:3
Landis, E. M. *F*, II:4
Landis, J. M. *F*, III:4

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Lane, G. S. *F*, IV:3
Lang, P. H. *F*, IV:3
Langer, W. L. *F*, IV:2
Lansing, A. *F*, IV:2
La Piana, G. *FE*, IV:2
Larsen, E. S., Jr. *F*, I:5
Larsen, R. E. *F*, III:5
Lashley, K. S. *F*, II:4
Lasswell, H. D. *F*, III:3
Latourette, K. S. *F*, IV:2
Laue, M. T. F., von *FHM*, I:2
Lawrence, E. O. *F*, I:2
Lawrence, R. R. *FE*, I:6
Lawrence, W. H. *F*, I:6
Lazarsfeld, P. F. *F*, III:1
Leake, C. D. *F*, II:4
Leavell, H. R. *F*, II:5
LeCorbeiller, P. E. *F*, I:6
Le Corbusier, C.-E. *FHM*, IV:4
Lee, R. I. *F*, II:5
Leighton, M. M. *F*, I:5
Leland, W. G. *F*, IV:2
Leslau, W. *F*, IV:3
Lessells, J. M. *F*, I:6
Levin, H. T. *F*, IV:3
Levine, J. *F*, IV:4
Levine, S. A. *F*, II:5
Levinson, N. *F*, I:1
Levorsen, A. I. *F*, I:5
Lewis, B. W. *F*, III:2
Lewis, C. I. *F*, IV:1
Lewis, W. K. *F*, I:3
Lewis, W. S. *F*, IV:3
Libby, W. F. *F*, I:3
Licklider, J. C. R. *F*, II:4
Lie, T. H. *FHM*, III:5
Lilienthal, D. E. *F*, III:5
Lin, Chia-Chiao *F*, I:1
Lindblad, B. *FHM*, I:4
Lindemann, E. *F*, II:5
Linderström-Lang, K. U. *FHM*, II:1
Lindsay, R. B. *F*, I:2
Linforth, I. M. *F*, IV:3
Lingane, J. J. *F*, I:3
Lingelbach, W. E. *F*, IV:2
Lippmann, W. *F*, III:5
Little, C. C. *F*, III:5
Livingston, M. S. *F*, I:2
Locke, E. A. *F*, II:5
Locke, W. N. *F*, IV:3
Loeb, R. F. *F*, II:5
Loew, E. R. *F*, II:4
Lombardi, L. *FHM*, I:6
Long, C. N. H. *F*, II:4
Longwell, C. R. *F*, I:5
Loomis, L. H. *F*, I:1
Lord, A. B. *F*, IV:3
Lord, M. E. *F*, III:5
Lord, R. C. *F*, I:3
Lorente de No, R. *F*, II:4
Lorenz, K. Z. J. A. *FHM*, II:3
Lovell, A. C. B. *FHM*, I:4
Low, B. W. *F*, II:1
Lowe, E. A. *F*, IV:2
Lowell, R. *F*, III:5
Lowry, O. H. *F*, II:4
Lundegårdh, H. G. *FHM*, II:1
Lutz, B. R. *F*, II:4
Luyten, W. J. *F*, I:4
Lyman, C. P. *F*, II:3
Lyons, L. M. *F*, III:5
McAdams, W. H. *F*, I:6
McClelland, D. C. *F*, III:1
McCord, D. T. W. *F*, IV:4
McCormack, J. *F*. III:5
McCulloch, W. S. *F*, II:4
McEwen, G. F. *F*, I:5
McFarland, R. A. *F*, II:4
MacGregor, C. W. *F*, I:6
McGregor, D. M. *F*, III:1
McIlwain, C. H. *FE*, IV:2
MacInnes, D. A. *F*, I:3
McIntosh, R. *F*, II:5
MacIver, R. M. *F*, III:1
McKeehan, L. W. *F*, I:2
MacKenzie, E. F. *F*, IV:1
McKeon, R. P. *F*, IV:1
Mackey, G. W. *F*, I:1
McKinstry, H. E. *F*, I:5
MacLane, S. *F*, I:1
McLaren, W. W. *F*, III:2
McLaughlin, D. H. *F*, I:5
Maclaurin, W. R. *F*, III:2
McMahon, H. O. *F*, I:3
McNair, M. P. *F*, III:5
Macneil, S. *F*, III:4

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Magruder, C. *F*, III:4
Mahony, T. H. *F*, III:4
Maheshwari, P. *FHM*, II:2
Malamud, W. *F*, II:5
Malik, C. H. *FHM*, III:5
Malone, D. *F*, IV:2
Mangelsdorf, P. C. *F*, II:2
Manship, P. *F*, IV:4
Margenau, H. *F*, I:2
Mark, H. F. *F*, I:3
Mark, K. L. *FE*, I:3
Marsh, D. L. *F*, III:5
Marshall, L. C. *F*, III:2
Martell, A. E. *F*, I:3
Martin, W. T. *F*, I:1
Mather, K. F. *F*, I:5
May, M. A. *F*, III:1
Mayr, E. *F*, II:3
Mazia, D. *F*, II:3
Mc, *see under* Mac
Mead, M. *F*, III:1
Mead, W. J. *FE*, I:5
Means, J. H. *F*, II:5
Medina, H. R. *F*, III:4
Mees, C. E. K. *F*, I:3
Meigs, J. V. *F*, II:5
Meiss, M. *F*, IV:3
Meissner, H. P. *F*, I:6
Melander, A. L. *F*, II:3
Menéndez Pidal, R. *FHM*, IV:3
Menzel, D. H. *F*, I:4
Meriam, R. S. *F*, III:5
Meritt, B. D. *F*, IV:2
Merton, R. K. *F*, III:1
Metcalf, K. DeW. *F*, III:5
Metz, C. W. *F*, II:3
Meyer, A. *FHM*, I:6
Meyer, K. F. *F*, II:5
Mickley, H. S. *F*, I:6
Mies van der Rohe, L. *F*, IV:4
Milas, N. A. *F*, I:3
Miller, G. A. *F*, II:4
Miller, W. J. *F*, I:5
Millikan, M. F. *F*, III:2
Milliken, W. M. *F*, IV:3
Mills, F. C. *F*, III:2
Mimno, H. R. *F*, I:2
Miner, L. M. S. *F*, II:5
Mises, von, H. G., *see* Geiringer, H.
Mitchell, S. A. *F*, I:4
Moe, H. A. *F*, III:5
Moffitt, W. E. *F*, I:3
Mongan, A. *F*, IV:4
Monroe, A. E. *F*, III:2
Moody, R. E. *F*, IV:2
Moore, F. D. *F*, II:5
Moore, H. *FHM*, IV:4
Moore, R. C. *F*, I:5
Morandière, L. J., de la *FHM*, III:4
Morgan, E. M. *F*, III:4
Morison, E. E. *F*, IV:2
Morison, S. E. *F*, IV:2
Morris, C. W. *F*, IV:1
Morris, F. K. *F*, I:5
Morse, H. M. *F*, I:1
Morse, P. M. *F*, I:2
Morton, A. A. *F*, I:3
Mosteller, C. F. *F*, III:1
Mott, N. F. *FHM*, I:2
Movius, H. L. *F*, IV:2
Mueller, H. *F*, I:2
Muller, H. J. *F*, II:1
Mumford, L. *F*, IV:1
Munch, C. *F*, IV:4
Munk, W. H. *F*, I:5
Munro, T. *F*, IV:1
Muralt, *see* von Muralt
Murdock, G. P. *F*, III:1
Murdock, K. B. *F*, IV:3
Murphy, A. E. *F*, IV:1
Murphy, G. *F*, II:4
Murray, H. A., Jr. *F*, III:1
Murray, W. M. *F*, I:6
Murrow, E. R. *F*, III:5
Myers, C. A. *F*, III:2
Mynors, R. A. B. *FHM*, IV:3
Nagel, E. *F*, IV:1
Nash, L. K. *F*, I:3
Nash, N. B. *F*, IV:1
Nason, T. W. *F*, IV:4
Nassau, J. J. *F*, I:4
Navarro, T. *FHM*, IV:3
Neale, J. E. *FHM*, IV:2
Nehru, J. *FHM*, III:5
Neugebauer, O. E. *F*, IV:2
Newcomb, T. M. *F*, III:1

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Newhouse, W. H. *F*, I:5
Newman, E. B. *F*, II:4
Nicholas, J. S. *F*, II:3
Nicolson, M. H. *F*, IV:3
Niemann, C. G. *F*, II:1
Niemeyer O. *FHM*, IV:4
Nilsson, N. M. P. *FHM*, IV:2
No, R. L. de, *see* Lorente de No, R.
Nock, A. D. *F*, IV:1
Nolan, T. B. *F*, I:5
Northrop, F. S. C. *F*, IV:1
Northrop, J. H. *F*, II:1
Norton, J. T. *F*, I:6
Notestein, A. C. *F*, III:5
Nottingham, W. B. *F*, I:2
Nourse, E. G. *F*, III:2
Noyes, W. A., Jr. *F*, I:3
O'Brian, J. L. *F*, III:4
O'Brien, B. *F*, I:2
Ochoa, S. *F*, II:1
Ogburn, W. F. *F*, III:1
Oldenberg, O. *FE*, I:2
Olds, I. S. *F*, III:5
Oliver, D. L. *F*, III:1
Oncley, J. L. *F*, I:3
Onsager, L. *F*, I:3
Oort, J. H. *FHM*, I:4
Oppenheimer, J. R. *F*, I:2
Orowan, E. *F*, I:6
Osterhout, W. J. V. *F*, II:2
Overacker, L. *F*, III:3
Overhage, C. F. J. *F*, I:2
Padelford, N. J. *F*, III:3
Page, I. H. *F*, II:5
Paine, R. T., Jr. *F*, IV:4
Palacios, A. L. *FHM*, III:3
Palade, G. E. *F*, II:1
Paneth, F. A. *FHM*, I:3
Panofsky, E. *F*, IV:3
Pappenheimer, A.M., Jr. *F*, II:1
Pappenheimer, J. R. *F*, II:4
Park, C. E. *F*, IV:1
Park, R. *F*, III:5
Parodi, L. R. *FHM*, II:2
Parsons, T. *F*, III:1
Patch, H. R. *FE*, IV:3
Paton, W. A. *F*, III:2
Patterson, B. *F*, II:3
Paul, J. R. *F*, II:5
Pauli, W. E. *FHM*, I:2
Pauling, L. C. *F*, I:3
Payne-Gaposchkin, C. *F*, I:4
Pearson, L. B. *FHM*, III:5
Pease, A. S. *FE*, IV:3
Pender, H. *F*, I:6
Penfield, W. G. *FHM*, II:5
Pepper, G. W. *F*, III:4
Pepper, S. C. *F*, IV:1
Perkin, R. S. *F*, III:5
Perkins, D. *F*, IV:2
Perkins, E. *F*, IV:2
Peters, R. A. *FHM*, II:1
Peyre, H. M. *F*. IV:3
Pfaffman, C. *F*, II:4
Pfeiffer, R. H. *F*, IV:2
Phillips, C. H. *F*, III:5
Phillips, H. B. *F*, I:1
Phillips, P. *F*, IV:2
Phillips, W. *F*, III:5
Piaget, J. *FHM*, III:1
Pickett, L. W. *F*, I:3
Pidal, *see* Menéndez Pidal
Piel, G. *F*, III:5
Pierce, J. A. *F*, I:6
Piéron, H. *FHM*, II:4
Pigou, A. C. *FHM*, III:2
Pincus, G. *F*, II:4
Piore, E. R. *F*, I:6
Piston, W. H., Jr. *F*, IV:4
Pitts, R. F. *F*, II:4
Plough, H. H. *F*, II:3
Poggioli, R. *F*, IV:3
Porsild, A. E. *FHM*, II:2
Porter, K. R. *F*, II:3
Post, C. R. *FE*, IV:4
Pottle, F.A. *F*, IV:3
Pound, R. *F*, III:4
Pound, R. V. *F*, I:2
Prager, W. *F*, I:6
Pratt, C. C. *F*, III:1
Pratt, F. H. *F*, II:4
Prescott, S. C. *FE*, I:6
Pribram, K. H. *F*, II:4
Price, L. *F*, IV:4
Probst, E. *FHM*, I:6
Proger, S. *F*, II:5

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Prosser, C. L. *F*, II:3
Purcell, E. M. *F*, I:2
Pusey, N. M. *F*, III:5
Putnam, T. J. *F*, II:5
Qua, S. E. *F*, III:4
Quine, W. V. *F*, IV:1
Rabinowitch, E. *F*, II:1
Rackemann, F. M. *F*, II:5
Ramsey, N. F. *F*, I:2
Rand, H. W. *F*, II:3
Rand, W. M. *F*, III:5
Randall, C. B. *F*, III:5
Randall, J. H., Jr. *F*, IV:1
Ransom, J. C. *F*, IV:4
Raper, J. R. *F*, II:2
Raper, K. B. *F*, II:2
Rapport, D. *F*, II:4
Rathbone, P. T. *F*, III:5
Raup, H. M. *F*, II:2
Read, C. *F*, IV:2
Redfield, A. C. *F*, II:3
Reichstein, T. *FHM*, II:1
Reid, H. R. *F*, III:5
Reischauer, E. O. *F*, IV:2
Relssner, E. *F*, I:1
Renner, O. *FHM*, II:2
Reuther, W. P. *F*, III:5
Richards, A. N. *F*, II:4
Richter, C. P. *F*, II:4
Riddle, O. *F*, II:3
Riesman, D. *F*, III:1
Riggs, L. A. *F*, II:4
Riley, S. T. *F*, IV:2
Robbins, W. J. *F*, II:2
Roberts, J. D. *F*, I:3
Robertson, D. H. *FHM*, III:2
Robertson, H. P. *F*, I:2
Robinson, D. M. *F*, IV:2
Robinson, D. M. *F*, I:6
Robinson, F. N. *F*, IV:3
Robinson, Sir R. *FHM*, I:3
Rochow, E. G. *F*, I:3
Rock, J. *F*, II:5
Roeder, K. D. *F*, II:4
Roethlisberger, F. J. *F*, III:5
Rogers, L. B. *F*, I:3
Rohe, L. Mies van der, *see* Mies van der Rohe, L.
Rohsenow, W. M. *F*, I:6
Rollins, H. E. *FE*, IV:3
Rollins, R. C. *F*, II:2
Romer, A. S. *F*, II:3
Romero, F. *FHM*, IV:1
Rorimer, J. J. *F*, III:5
Rosenberg, J. *F*, IV:3
Rosenblith, W. A. *F*, I:6
Ross, J. F. *F*, II:5
Ross, Sir W. D. *FHM*, IV:1
Rossi, B. B. *F*, I:2
Rostow, E. V. *F*, III:4
Rostow, W. W. *F*, IV:2
Rotch, A. G. *F*, III:5
Rowland, B., Jr. *F*, IV:3
Rubey, W. W. *F*, I:5
Rüdenberg, R. *F*, I:6
Ruggles, A. H. *FE*, II:5
Ruggles, C. O. *FE*, III:2
Runnström, J. A. M. *FHM*, II:3
Russell, E. B. S. *F*, II:3
Russell, F. F. *FE*, II:5
Ruthven, A. G. *F*, II:3
Ruzicka, L. *FHM*, I:3
Ruzicka, R. *F*, IV:4
Saarinen, E. *F*, IV:4
Sabin, A. B. *F*, II:5
Sachar, A. L. *F*, III:5
Sachs, P. J. *F*, IV:4
Salem, R. *F*, I:1
Saltonstall, W. G. *F*, III:5
Samuelson, P. A. *F*, III:2
Santillana, G. de *F*, IV:2
Sawyer, C. H. *F*, IV:4
Sayre, F. B. *F*, III:5
Scatchard, G. *F*, I:3
Schaller, W. T. *F*, I:5
Schapiro, M. *F*, IV:3
Schell, E. H. *F*, III:5
Schlesinger, A. M., Jr. *F*, IV:2
Schlosberg, H. *F*, II:4
Schmidt, C. F. *F*, II:4
Schmidt, G. *F*, II:1
Schmidt, W. J. *FHM*, II:3
Schmitt, B. E. *F*, IV:2
Schmitt, F. O. *F*, II:1
Schneider, H. *FE*, IV:3
Schneider, H. W. *F*, IV:1

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Scholes, F. V. *F*, IV:2
Scholte, J. H. *FHM*, IV:3
Schotté, O. E. *F*, II:3
Schrader, F. *F*, II:3
Schrödinger, E. *FHM*, I:2
Schücking, L. L. *FHM*, IV:3
Schultes, R. E. *F*, II:2
Schumb, W. C. *F*, I:3
Schwarzschild, M. *F*, I:4
Schweitzer, A. L. P. *FHM*, IV:1
Schwenk, E. *F*, I:3
Schwinger, J. S. *F*, I:2
Scott, A. W. *F*, III:4
Scott, D. *F*, IV:2
Sears, E. R. *F*, II:2
Sears, P. B. *F*, II:2
Sears, R. R. *F*, III:1
Sedgwick, E. *F*, IV:4
Selekman, B. M. *F*, III:2
Seligman, A. M. *F*, II:5
Sert, J. L. *F*, IV:4
Seymour, C. *F*, IV:2
Shannon, C. E. *F*, I:6
Shapiro, A. H. *F*, I:6
Shapiro, E. *F*, III:2
Shapley, H. *F*, I:4
Shattuck, G. C. *F*, II:5
Shattuck, H. L. *F*, III:5
Shaw, H. S. *F*, III:5
Shaw, M. C. *F*, I:6
Sheehan, J. C. *F*, I:3
Sherrill, H. K. *F*, IV:1
Sherrill, M. S. *F*, I:3
Sherwood, T. K. *F*, I:6
Shilling, C. W. *F*, II:5
Shimer, H. W. *FE*, I:5
Shipton, C. K. *F*, IV:2
Shockley, W. *F*, I:2
Shoemaker, D. P. *F*, I:3
Shrock, R. R. *F*, I:5
Shryock, R. H. *F*, IV:2
Shull, C. G. *F*, I:2
Shuster, G. N. *F*, III:5
Simon, L. E. *F*, I:6
Simonds, B. *F*, IV:4
Simpson, G. G. *F*, II:3
Sinnott, E. W. *F*, II:2
Sizer, I. W. *F*, II:1
Skinner, B. F. *F*, II:4
Slater, J. C. *F*, I:2
Slichter, L. B. *F*, I:5
Slipher, V. M. *F*, I:4
Sloan, A. P., Jr. *F*, III:5
Smith, A. C. *F*, II:2
Smith, C. S. *F*, I:6
Smith, G. M. *F*, II:2
Smith, H. W. *F*, II:4
Smith, L. B. *F*, I:3
Smith, M. C. *F*, III:3
Smith, P. *F*, III:5
Smith, R. M. *F*, II:5
Smith, W. S. *F*, IV:2
Smyth, H. D. *F*, I:2
Snell, G. D. *F*, II:3
Snyder, A. C. *F*, III:4
Snyder, J. C. *F*, II:5
Soderberg, C. R. *F*, I:6
Sognnaes, R. F. *F*, II:5
Sollmann, T. H. *F*, II:1
Solomon, A. K. *F*, II:1
Solomon, H. C. *F*, II:5
Solow, R. M. *F*, III:2
Sonneborn, T. M. *F*, II:3
Sorokin, P. A. *FE*, III:1
Sosman, M. C. *FE*, II:5
Spaak, P.-H. *FHM*, III:5
Spalding, J. V. *F*, III:4
Spalding, W. R. *FE*, IV:4
Spencer, P. L. *F*, I:6
Spencer-Jones, H. *FHM*, I:4
Spier, L. *F*, III:1
Spinden, H. J. *F*, III:1
Spitzer, L. *F*, I:4
Spofford, C. M. *F*, I:6
Stace, W. T. *F*, IV:1
Stafford, R. H. *F*, IV:1
Stakman, E. C. *F*, II:2
Stanier, R. Y. *F*, II:2
Stanley, W. M. *F*, II:1
Starck, T. *F*, IV:3
Stare, F. J. *F*, II:1
Starr, V. P. *F*, I:5
Stearns, A. W. *F*, III:5
Stebbins, G. L., Jr. *F*, II:2
Stebbins, J. *F*, I:4
Stephenson, C. C. *F*, I:3

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Sterne, T. E. *F*, I:4
Stetson, H. T. *F*, I:4
Stevens, R. S. *F*, III:5
Stevens, S. S. *F*, II:4
Stevenson, A. E. *F*, III:5
Stevenson, E. P. *F*, III:5
Stevenson, W. E. *F*, III:5
Stever, H. G. *F*, I:6
Steward, F. C. *F*, II:2
Stewart, R. B. *F*, III:5
Stockmayer, W. H. *F*, I:3
Stoke, H. W. *F*, III:3
Stouffer, S. A. *F*, III:1
Stout, G. L. *F*, IV:4
Strandberg, M. W. P. *F*, I:2
Stratton, J. A. *F*, I:2
Stravinsky, I. *FHM*, IV:4
Strayer, J. R. *F*, IV:2
Street, J. C. *F*, I:2
Stromgren, B. G. D. *F*, I:4
Struik, D. J. *F*, I:1
Struve, O. *F*, I:4
Stubbins, H. A. *F*, IV:4
Sulzberger, A. H. *F*, III:5
Sutherland, A. E. *F*, III:4
Svedberg, T. *FHM*, I:3
Swain, C. G. *F*, I:3
Sweet, W. H. *F*, II:5
Szent-Gýorgyi, A. *F*, II:1
Szilard, L. *F*, II:1
Taft, P. *F*, III:2
Takayanagi, K. *FHM*, III:4
Talbot, F. B. *FE*, II:5
Talbot, N. B. *F*, II:5
Tate, V. D. *F*, III:5
Taussig, H. B. *F*, II:5
Taylor, A. *FE*, IV:3
Taylor, C. F. *F*, I:6
Taylor, C. H. *F*, IV:2
Taylor, C. L. *F*, IV:1
Taylor, E. S. *F*, I:6
Taylor, G. I. *FHM*, I:6
Taylor, H. S. *F*, I:3
Taylor, L. R. *FE*, IV:2
Taylor, W. R. *F*, II:2
Teele, S. F. *F*, III:5
Teller, E. *F*, I:2
TenBroeck, C. *FE*, II:5
Terzaghi, K. *F*, I:6
Thannhauser, S. J. *F*, II:5
Theorell, A. H. T. *FHM*, II:1
Thimann, K. V. *F*, II:2
Thomas, H. A., Jr. *F*, I:6
Thompson, H. A. *F*, IV:2
Thompson, M. deK. *FE*, I:2
Thompson, R. *F*, IV:4
Thomson, Sir G. H. *FHM*, II:4
Thomson, Sir G. P. *FHM*, I:2
Thomson, W. *FE*, IV:3
Thorn, G. W. *F*, II:5
Thorne, S. E. *F*, IV:2
Thorp, W. L. *F*, III:2
Tillich, P. J. *FE*, IV:1
Tippo, O. *F*, II:2
Tiselius, A. *FHM*, II:1
Tisza, L. *F*, I:2
Todd, A. R. *FHM*, I:3
Tolman, E. C. *F*, II:4
Torres Bodet, J. *FHM*, IV:4
Tosdal, H. R. *F*, III:2
Townes, C. H. *F*, I:2
Toynbee, A. J. *FHM*, IV:2
Trevelyan, G. M. *FHM*, IV:3
Trilling, L. *F*, IV:4
Trump, J. G. *F*, I:6
Tryon, W. S. *F*, IV:2
Tucker, D. S. *F*, III:2
Turner, C. E. *FE*, III:5
Tuve, M. A. *F*, I:2
Twaddell, W. F. *F*, IV:3
Tweed, H. *F*, III:4
Tyzzer, E. E. *F*, II:5
Uhlig, H. H. *F*, I:6
Ulam, S. M. *F*, I:1
Ulich, R. *F*, IV:1
Ullman, B. L. *F*, IV:3
Unwin, Sir S. *FHM*, III:5
Urey, H. C. *F*, I:3
Usher, A. P. *FE*, III:2
Vallarta, M. S. *F*, I:2
Vallée Poussin, C. J., de la *FHM*, I:1
Van de Graaff, R. J. *F*, I:2
van der Rohe, L. Mies, *see* Mies van der Rohe, L.
Van Niel, C. B. *F*, II:2
Van Vleck, J. H. *F*, I:2

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Vaughan Williams, R. *FHM*, IV:4
Veblen, O. *F*, I:1
Vecchio, G., Del *FHM*, III:4
Verdoorn, F. *F*, II:2
Verhoeff, F. H. *F*, II:5
Vernon, A. A. *F*, I:3
Vickery, H. B. *F*, II:1
Viets, H. R. *F*, IV:2
Vigneaud, V., du *F*, II:1
Villegas, *see* Cosío Villegas
Viner, J. *F*, III:2
von Békésy, G. *F*, II:4
von Frisch, K., *see* Frisch
von Hippel, A. R. *F*, I:2
von Kármán, *see* Kármán
von Laue, *see* Laue
von Mises, H. G., *see* Geiringer, H.
von Muralt, A. *FHM*, II:3
Wagner, C. W. *F*, I:6
Waksman, S. A. *F*, II:2
Wald, G. *F*, II:1
Walsh, J. L. *F*, I:1
Wang, H. *F*, I:1
Wardlaw, C. W. *FHM*, II:2
Warner, E. P. *F*, I:6
Warren, B. E. *F*, I:2
Warren, E. *F*, III:4
Warren, S. *F*, II:5
Washburn, H. B. *FE*, IV:1
Washburn, H. B., Jr. *F*, I:5
Waterman, A. T. *F*, III:5
Watson, D. M. S. *FHM*, II:3
Watson, F. G. *F*, III:1
Watson, J. B. *F*, II:4
Watson, J. D. *F*, II:1
Waugh, D. F. *F*, II:1
Wearn, J. T. *F*, II:5
Webb, J. H. *F*, I:2
Weber, A. *FHM*, III:1
Weber, H. C. *F*, I:6
Webster, D. L. *F*, I:2
Webster, W. *F*, III:5
Weeks, E. A. *F*, IV:4
Weiss, P. A. *F*, II:3
Weisskopf, V. F. *F*, I:2
Weller, T. H. *F*, II:5
Welles, S. *F*, III:5
Welsh, J. H. *F*, II:3
Werner, H. *F*, II:4
Wessell, N. Y. *F*, III:5
West, C. D. *F*, I:3
West, R. *FHM*, IV:4
Westheimer, F. H. *F*, I:3
Weston, G. B. *FE*, IV:3
Weston, W. H., Jr. *F*, II:2
Wetmore, R. H. *F*, II:2
Wexler, H. *F*, I:5
Wheeler, J. A. *F*, I:2
Whipple, F. L. *F*, I:4
White, E. B. *F*, IV:4
White, J. C. *F*, II:5
White, L. D. *F*, III:3
White, L. T., Jr. *F*, IV:2
White, M. G. *F*, IV:1
White, P. D. *F*, II:5
White, P. R. *F*, II:4
White, R. W. *F*, III:1
Whitehead, G. W. *F*, I:1
Whitehead, T. N. *F*, III:2
Whitehill, W. M. *F*, III:5
Whitford, A. E. *F*, I:4
Whitman, W. G. *F*, I:6
Whitney, W. R. *F*, I:3
Whittington, H. B. *F*, I:5
Widder, D. V. *F*, I:1
Wiesner, J. B. *F*, I:6
Wigner, E. P. *F*, I:2
Wilbur, J. B. *F*, I:6
Wilder, A. N. *F*, IV:1
Wilkins, E. H. *F*, IV:3
Wilkins, R. S. *F*, III:4
Wilkins, R. W. *F*, II:5
Willett, H. C. *F*, I:5
Willey, G. R. *F*, IV:2
Williams, C. M. *F*, II:4
Williams, G. C. *F*, I:6
Williams, G. H. *F*, IV:1
Williams, R. C. *F*, II:1
Williams, R. S. *FE*, I:6
Williams, R. V., *see* Vaughan Williams, R.
Willits, J. H. *F*, III:2
Willoughby, W. F. *F*, III:3
Wilson, C. E. *F*, III:5
Wilson, C. L. *F*, III:5
Wilson, E. B. *F*, I:2

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Wilson, E. B., Jr. *F*, I:3
Wilson, H. E. *F*, III:5
Wilson, J. W. *F*, II:3
Wilson, M. K. *F*, I:3
Wilson, T. J. *F*, III:5
Wind, E. *F*, IV:3
Winship, L. L. *F*, III:5
Wolff, R. L. *F*, IV:2
Wolfrom, M. L. *F*, I:3
Wolfson, H. A. *F*, IV:3
Wolman, L. *F*, III:2
Wong Wen-hao *FHM*, I:5
Woodbury, P. *F*, III:4
Woodward, R. B. *F*, I:3
Woodworth, G. W. *F*, IV:4
Woodworth, R. S. *F*, II:4
Wooley, D. W. *F*, II:1
Wright, B. F. *F*, III:5
Wright, Baron *FHM*, III:4
Wright, J. J. *F*, IV:1
Wright, L. B. *F*, IV:2
Wright, Q. *F*, III:3
Wright, S. *F*, II:3
Wriston, H. M. *F*, III:5
Wu, J. C. H. *FHM*, III:4
Wulff, J. *F*, I:6
Wulsin, F. R. *F*, III:1
Wurster, W. W. *F*, IV:4
Wyckoff, R. W. G. *F*, II:1
Wyman, J. *F*, II:1
Wyman, L. C. *F*, II:3
Wyzanski, C. E., Jr. *F*, III:4
Yeager, A. F. *F*, II:2
Yee, C., *see* Chiang Yee
Yeomans, H. A. *F*, III:3
Yost, D. C. M. *F*, I:3
Young, B. L. *F*, III:5
Young, J. Z. *FHM*, II:4
Young, O. D. *F*, III:5
Young, R. C. *FE*, I:3
Zacharias, J. R. *F*, I:2
Zamecnik, P. C. *F*, II:1
Zariski, O. *F*, I:1
Zimmerman, C. C. *F*, III:1
Zworykin, V. K. *F*, I:2

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Statutes

The American Academy of Arts and Sciences

Adopted November 8, 1911: *amended May* 8, 1912, *January* 8, *and May* 14, 1913, *April* 14, 1915, *April* 12, 1916, *April* 10, 1918, *May* 14, 1919, *February* 8, *April* 12, *and December* 13, 1922, *February* 14, *March* 14, *and October* 10, 1923, *March* 10, 1926, *May* 9, 1928, *April* 8, *and November* 11, 1931, *April* 12, 1933, *February* 14, 1934, *December* 14, 1938, *January* 11, *April* 12, 1939, *May* 8, 1940, *May* 14, 1941, *November* 18, 1942, *and January* 12, 1944, *May* 9, 1945, *November* 14, 1945, *February* 2, 1946, *October* 9, 1946, *October* 8, 1947, *March* 9, 1949, *October* 11, 1950, *March* 14, 1951, *May* 14, 1952, *January* 14, 1953, *November* 10, 1954, *October* 5, 1955, *January* 11, 1956, *and March* 12, 1958.

CHAPTER I

The Academy and Its Corporate Seal

Article 1. The American Academy of Arts and Sciences is a body politic and corporate by the same name, forever, established by the Council and House of Representatives in General Court of the Province of Massachusetts Bay as recorded in Chap. 46 of the Acts of 1779.

Article 2. As enacted above, the stated end and design of the institution of the said Academy is to promote and encourage the knowledge of the antiquities of America, and of the natural history of the country, and to determine the uses to which the various natural productions of the country may be applied; to promote and encourage medical discoveries, mathematical disquisitions, philosophical enquiries and experiments, astronomical, meteorological and geographical observations; and improvements in agriculture, arts, manufacture and commerce; and, in fine, to cultivate every art and science which may tend to advance the interest, honor, dignity and happiness of a free, independent and virtuous people.

Article 3. The Corporate Seal of the Academy shall be as here depicted.

See Chap. v, art. 3; chap. vi, art. 1.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

CHAPTER II

Membership and Dues

Article 1. The Academy shall consist of Fellows, elected from the citizens or residents of the United States of America, Fellows Emeriti, and Foreign Honorary Members. They are arranged in four Classes, according to the Arts and Sciences in which they are severally proficient. Each Class shall be divided into the several Sections shown in the following table.

Class I. Mathematical and Physical Sciences
- Section 1. Mathematics
- 2. Physics
- 3. Chemistry
- 4. Astronomy
- 5. Earth Sciences[1]
- 6. Engineering Sciences and Technologies

Class II. Biological Sciences
- Section 1. Biophysics and Biochemistry[2]
- 2. Botany and Bacteriology
- 3. Zoology[3]
- 4. Physiology and Experimental Psychology
- 5. Medicine[4]

Class III. Social Arts and Sciences
- Section 1. Social Relations[5]
- 2. Economics
- 3. Political Science
- 4. Law
- 5. Administration and Affairs[6]

Class IV. Humanities
- Section 1. Philosophy and Theology
- 2. History and Archaeology
- 3. Philology and Criticism[7]
- 4. Fine Arts and Literature[8]

[1] Including geology, physiography, mineralogy, meteorology, and oceanography, etc.
[2] Including pharmacology, etc.
[3] Including physical anthropology, etc.
[4] Including surgery and psychiatry, etc.
[5] Including human geography and cultural anthropology, clinical and social psychology, etc.
[6] Including diplomacy, etc.
[7] Including linguistics, literary and art scholarship, etc.
[8] Including music, architecture, etc.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

ARTICLE 2. The number of Fellows shall not exceed thirteen hundred fifty, of whom not more than two-thirds shall be residents of New England. The number of Fellows in the four Classes, I through IV, shall be approximately in the ratio of 6 : 5 : 5 : 4, respectively.

Any Fellow of the Academy on retiring from his academic or other regular duties may, if he so requests in writing, and with the approval of the Council, be transferred to the status of Fellow Emeritus.

Fellows Emeriti shall be exempt from payment of dues. They may not hold elective office in the Academy, nor serve on Standing Committees, nor vote at meetings, but shall have all the other privileges of Fellowship.

Fellows Emeriti shall be separately classified and shall be outside the statutory limit set on the total number of Fellows and the number in a given Class.

See Chap. ix, art. 3; chap. x, art. 1.

ARTICLE 3. The number of Foreign Honorary Members shall not exceed two hundred and fifty. They shall be chosen from citizens of foreign countries who are eminent for their discoveries or other attainments in any of the Classes above enumerated. There shall be not more than seventy-five in any one Class.

ARTICLE 4. Diplomas signed by the President and by the Vice-President of the Class to which the member belongs, and countersigned by the Secretary, shall be given to Fellows and Foreign Honorary Members.

ARTICLE 5. If any person, after being notified of his election as Fellow or Foreign Honorary Member, shall neglect for six months to accept in writing, his election shall be void.

ARTICLE 6. Every Fellow resident within fifty miles of Boston hereafter elected shall pay an admission fee of ten dollars: if he shall neglect to pay this fee within six months of the date of his election, his election shall become void. Fellows resident more than fifty miles from Boston shall pay no admission fee.

Every Fellow resident within fifty miles of Boston shall pay, unless he enjoys statutory exemption, such Annual Dues, not exceeding fifteen dollars, as shall be voted annually in March by the Academy. These annual dues become payable on the first of June.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Every Fellow residing more than fifty miles from Boston elected after 1938 shall pay, unless he enjoys statutory exemption, such Annual Dues, not exceeding five dollars, as shall be voted annually in March by the Academy. These annual dues become payable on the first of June.

ARTICLE 7. Exemption from further payment of Annual Dues shall be granted by the Council or its designate to any Fellow who has paid such dues, at either resident or non-resident rate, for forty years; or having attained the age of seventy-five, has paid dues for twenty-five years.

Exemption from further payment of Annual Dues shall be granted forthwith by the Council or its designate to any Fellow who pays into the treasury of the Academy the sum of three hundred dollars for the purpose of commuting subsequent dues, in addition to his previous payments.

ARTICLE 8. Any Fellow, resident or non-resident, who shall neglect to pay his Annual Dues for six months after they are due and who ignores notification by the Treasurer of the requirements of this Article of the Statutes shall cease to be a Fellow.

ARTICLE 9. Upon petition of any Fellow, the Council may by a majority vote suspend the application of any penalties hereinabove prescribed in this chapter.

ARTICLE 10. Only Fellows resident within fifty miles of Boston may hold elective office in the Academy or serve on Standing Committees as specified in Chapter XI.

ARTICLE 11. If, in the opinion of a majority of the entire Council, any Fellow or Foreign Honorary Member shall have rendered himself unworthy of a place in the Academy, the Council shall recommend to the Academy the termination of his membership; and if three-fourths of the Fellows present out of a total attendance of not less than fifty at a Stated Meeting, or at a Special Meeting called for the purpose, shall adopt this recommendation, his name shall be stricken from the Roll.

See Chap. iii; chap. vi, art. 5 and 6; chap. x, art. 1.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

CHAPTER III

Nomination and Election of Fellows and Foreign Honorary Members

The procedure for nomination and election of Fellows and Foreign Honorary Members shall be as follows:

Article 1. Nominations may be made at any time by any two Fellows in writing on forms to be provided by the Secretary and shall be referred by him to the Committee on Membership.

The Committee on Membership shall meet following the stated meetings of the Academy in May, November, February and March, and at such other times as it may determine, to appraise nominations received by it from the Fellows, to analyze the membership structure of the Academy, to originate further nominations, and to submit for election those receiving favorable vote of two-thirds of the committee members present at any meeting attended by not less than seven of its members.

Immediately following its meeting in February, the Committee shall cause to be sent to every Fellow a list of nominees, together with names of nominators, for appraisal, expression of preference, or other comment by the Fellows.

The Committee, at its March meeting, shall review all nominations, together with comments by the Fellows thereon, and shall compile a list of approved candidates for the annual election of Fellows and Foreign Honorary Members. It shall present this list together with data pertaining thereto to the Council not later than at the Stated Meeting of the Council in April.

The Council, by vote of the majority of members present at a meeting, shall make final nominations from the list of approved persons recommended by the Committee on Membership for election by the Fellows.

Article 2. Election of Fellows and Foreign Honorary Members shall be made by a majority of the Fellows present at the Annual Meeting in May, from the nominations presented at that meeting by the Council.

Article 3. Each Fellow-elect or Foreign Honorary Member-elect shall immediately following his election be notified thereof in writing by the Secretary.

See Chap. ii; chap. vi, art. 5; chap. x, art. 1; chap. xi, art. 1 (ii).

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

CHAPTER IV

Officers

Article 1. The Officers of the Academy shall be a President (who shall be Chairman of the Council), four Vice-Presidents (one from each Class), a Secretary (who shall be Secretary of the Council), a Treasurer, a Librarian, and an Editor, all of whom shall be elected by ballot at the Annual Meeting, and shall take office at the close of that meeting, and shall hold their respective offices for one year, and until others are duly chosen and take office.

There shall be also twenty Councillors, one for each Section of each Class; at each Annual Meeting five Councillors shall be elected by ballot to serve for a term of four years, and they shall take office at the close of that meeting and shall hold office until others are duly chosen and take office. The same Fellow shall not be eligible for two successive terms.

The Councillors, with the officers previously named, and the Chairmen of the Standing Committees, *ex officiis*, shall constitute the Council.

See Chap. xi, art. 1.

Article 2. If any officer be unable, through death, absence, or disability, to fulfill the duties of his office, or if he shall resign, or become a non-resident member, his place may be filled by the Council in its discretion for any part or the whole of the unexpired term.

Article 3. The Nominating Committee, as constituted under Chapter XI, Article 1 (xi), shall prepare a list of nominees for the several offices to be filled, and for the Standing Committees, and file it with the Secretary not later than eight weeks before the Annual Meeting.

The Secretary shall transmit to the Fellows, previous to the stated meeting in April, the report of the Nominating Committee.

Article 4. Independent nominations for any office, if signed by at least twenty Fellows having the right to vote, and received by the Secretary not less than twenty days before the Annual Meeting, shall be included in the election procedure.

Article 5. The Secretary shall prepare for use in voting at the Annual Meeting a ballot containing the names of all persons duly nominated for office.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

CHAPTER V

The President

Article 1. The President, or in his absence a Vice-President, shall preside at meetings of the Academy.

See Chap. vi, art. 3.

Article 2. The President shall be the chief executive officer of the Academy. He shall present to the Council for its consideration all matters pertinent to the interests of the Academy and to the discharge of its obligations to the community or to the advancement of scholarship.

Article 3. Any deed or writing to which the Corporate Seal is to be affixed, except leases of real estate, shall be executed in the name of the Academy by the President or in the event of his death, absence, or inability, by one of the Vice-Presidents, when thereto duly authorized by the Council.

Article 4. In case of incapacity of the President, the Council shall designate a Vice-President to carry out the duties of the office.

See Chap. ii, art. 4; chap. iv, art. 1, 3; chap. vi, art. 3; chap. viii, art. 4; chap. x, art. 3; chap. xi, art. 1 (ii), (iii), (x); chap. xii, art. 1.

CHAPTER VI

The Secretary

Article 1. The Secretary shall provide for the custody of the Charter, Corporate Seal, Statute Book, Journals of the Academy, and other Archives.

Article 2. He shall be responsible for the correspondence of the Academy and of the Council. At each meeting of the Council he shall present any important communications addressed to the Academy which have been received since the previous meeting, and at the next meeting of the Academy he shall present such matters as the Council may determine.

Article 3. He shall attend the meetings of the Academy and the Council and shall arrange for the keeping of a faithful record of the

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

attendance and of the proceedings. In the absence of the President and of all the Vice-Presidents, he shall call the meeting to order and preside until a chairman is chosen by majority vote of the Fellows present.

ARTICLE 4. He shall apprise officers and committees of their election or appointment, and inform the Treasurer and the Chairman of each Standing Committee of appropriations of money voted by the Academy.

ARTICLE 5. He shall notify all persons who may be elected Fellows or Foreign Honorary Members, send to each a copy of the Statutes, and on their acceptance issue the proper Diploma. After all elections, he shall insert in the Records the names of the Fellows by whom the successful nominees were proposed.

ARTICLE 6. He shall keep and cause to be printed annually a list of the Fellows and Foreign Honorary Members, arranged in their several Classes and Sections, and a list of Fellows and Foreign Honorary Members of whose deaths he has been informed.

ARTICLE 7. He shall arrange for the preservation of records of the death of Fellows and Foreign Honorary Members and biographical notices published on the occasion of their death, or at other times.

See Chap. i, art. 2; chap. ii, art. 4; chap. iii; chap. iv, art. 1, 3, 4, 5; chap. ix, art. 3; chap. xi, art. 1 (iii), 2; chap. xii, art. 1, 3.

CHAPTER VII

THE TREASURER AND THE TREASURY

ARTICLE 1. The Treasurer shall collect all money due or payable to the Academy and all gifts or bequests made to it. He shall pay all bills due and payable by the Academy when approved by the proper officers. He shall sign all leases of real estate in the name of the Academy. He shall be the official custodian of all bonds, stocks and other securities and, with the written approval of any one member of the Committee on Finance, he shall have full authority to sell and transfer, invest and reinvest from time to time in such manner and upon such terms as shall to him seem best, the whole or any part of the personal property of the said Academy.

He shall keep a faithful account of all receipts and expenditures, submit his accounts annually to the Auditing Committee, and render

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

them at the expiration of his term of office, or whenever required to do so by the Academy or the Council.

He shall keep separate accounts of the income of the Rumford Fund, and of all other special Funds, and of the appropriation thereof, and render them annually.

He shall fund all payments received in commutation of Dues, their income only to be applied toward current expenditures.

His accounts shall always be open to the inspection of the Council.

ARTICLE 2. He shall report annually to the Council at its March meeting on the expected income of the various Funds and from all other sources, together with appropriations needed by Officers and Standing Committees for the ensuing fiscal year. He shall also report the names of all Fellows who may be then delinquent in the payment of their Annual Dues.

ARTICLE 3. He shall give such security for the trust reposed in him as the Academy may require.

ARTICLE 4. With the approval of a majority of the Committee on Finance, he may appoint an Assistant Treasurer to perform his duties, for whose acts, as such assistant, he shall be responsible; or, with like approval and responsibility, he may employ any Trust Company doing business in Boston as his agent for the same purpose, the compensation of such Assistant Treasurer or agent to be fixed by the Committee on Finance and paid from the Funds of the Academy.

ARTICLE 5. At the Annual Meeting he shall report in print all his official doings for the preceding year, stating the amount and condition of all the property of the Academy entrusted to him, and the character of the investments.

ARTICLE 6. The Financial Year of the Academy shall begin with the first day of April.

ARTICLE 7. No person or committee shall incur any debt or liability in the name of the Academy, unless in accordance with a previous vote and appropriation therefor by the Academy or the Council, or sell or otherwise dispose of any property of the Academy, except cash or invested funds, without previous consent and approval of the Council.

See Chap. ii, art. 2, 6, 7, 8; chap. iv, art. 1; chap. vi, art. 4; chap. ix, art. 6; chap. xi, art. 1 (i), (iv), (v), art. 2; chap. xii, art. 1.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

CHAPTER VIII

The Librarian and the Library

Article 1. The Librarian shall have charge of the Library and keep a correct catalog of it.

Article 2. The Librarian shall have authority to expend such sums as may be appropriated by the Academy for the purchase, repair, or maintenance of books, periodicals, etc., and for defraying other necessary expenses connected with the Library.

Article 3. The Librarian shall have the custody of the publications of the Academy. With the advice and consent of the President, he may effect exchanges with other associations.

See Chap. iv, art. 1; chap. xi.

CHAPTER IX

The Editor and the Publications

Article 1. The Editor shall have charge of the conduct through the press of the publications of the Academy. Together with the Committee on Publication he shall determine the contents of the publications.

Article 2. The publications of the Academy shall be as follows:

(i) The Proceedings shall be published at least semi-annually.

(ii) Memoirs, monographs and volumes of collected papers may be published from time to time.

(iii) The Bulletin of the American Academy of Arts and Sciences shall be published preceding the stated meetings, containing notices of such meetings, communications from the Council or Officers, and such other matter as may be of timely interest to the Fellows.

Article 3. A copy of the Proceedings and of the Bulletin shall be mailed to each Fellow, Fellow Emeritus, and Foreign Honorary Member.

Article 4. Fellows who pay Annual Dues or who are exempted from further payment thereof under Chapter II, Article 7, Fellows Emeriti, and Foreign Honorary Members shall be entitled, upon written request to the Librarian, to receive gratis one copy of each number of Proceedings, Memoirs, and Bulletin which have been issued after their election and are available.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

ARTICLE 5. Not more than two hundred extra copies of each paper printed in the Proceedings shall be placed at the disposal of the author without charge.

ARTICLE 6. The Editor shall have the authority to expend for printing and other expenses of publication such sums as may be appropriated by the Academy for such purposes; also such sums as may be made available to him by the Council from any source for particular publications under the sponsorship of the Academy.

See Chap. iv, art. 1; chap. xi, art. 1 (vi).

CHAPTER X

THE COUNCIL

ARTICLE 1. The Council shall exercise general supervision over all affairs of the Academy not explicitly reserved to the Academy as a whole.

It shall consider all nominations of Fellows and Foreign Honorary Members duly sent to it by the Committee on Membership, and act upon them in accordance with the provisions of Chapter III.

With the consent of the person concerned it shall have power to transfer in respect to status, Class, or Section.

ARTICLE 2. Nine members shall constitute a quorum.

ARTICLE 3. It shall act upon all resignations and forfeitures of membership in the Academy.

It shall appoint all agents and subordinates not otherwise provided for by the Statutes, prescribe their duties, and fix their compensation. They shall hold their respective positions during the pleasure of the Council.

It shall fill any vacancy caused by death, resignation or incapacity of any officer.

ARTICLE 4. It may authorize the appointment for terms not exceeding one year, and prescribe the functions of such committees of its number or of the Fellows of the Academy, as it may deem expedient, to facilitate the administration of the affairs of the Academy or to promote its interests.

ARTICLE 5. At the stated March meeting of the Academy it shall recommend for action at that meeting the appropriations which in its

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

opinion should be made for the ensuing fiscal year, and the Annual Dues therefor.

It may recommend special appropriations at any Stated Meeting of the Academy, or at a Special Meeting, in the call for which such business shall have been included.

See Chap. ii, art. 2, 10; chap. iii, art. 1, 2; chap. iv, art. 1, 2; chap. v, art. 2, 3; chap. vi, art. 2, 3; chap. vii, art. 1, 2, 7; chap. ix, art. 6; chap. xi, art. 1; chap. xii, art. 1, 4, 6.

CHAPTER XI

Standing Committees

Article 1. At each Annual Meeting, the following Standing Committees shall be perpetuated by election by ballot by the Fellows of the appropriate number of nominees to maintain the strength of each committee as provided hereinbelow. A Fellow may not be nominated for successive terms without the specific consent of the Council.

(i) *The House Committee* shall consist of three Fellows, one of whom shall be elected at each Annual Meeting to serve for a term of three years. One member of this committee shall in such an election be designated by the electors to serve as Chairman of the House Committee for the duration of the term for which he has been elected as a member of the committee. It shall have general charge of maintaining the House of the Academy in suitable condition for the uses thereof approved by the Council.

The Chairman of the House Committee or his designate shall approve in writing all expenditures within its authorized budget or special appropriations for repairs, services, supplies, or operation of the House, including compensation of House employees.

The House Committee, in consultation with the Treasurer, shall determine the equitable proportion of expense to be assessed for the use of the facilities of the House which have been approved by the Council for other than Academy activities.

(ii) *The Committee on Membership* shall consist of the President, *ex officio*, as Chairman, the four Vice-Presidents, *ex officiis*, and eight other Fellows, one of whom from each of the four Classes shall be elected annually to serve for a term of two years. It shall have the duties designated to it in Chapter III.

(iii) *The Committee on Meetings* shall consist of the President as

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Chairman, the Secretary, who shall act as secretary of the committee, and the four Vice-Presidents, *ex officiis*, together with four other Fellows, one from each Class, two of whom shall be elected annually to serve for a term of two years. It shall arrange for meetings of the Academy.

(iv) *The Committee on Finance* shall consist of the Treasurer as Chairman, *ex officio*, and four other Fellows, two of whom shall be elected annually to serve for a term of two years. It shall have general supervision of the investments of the Academy.

(v) *The Auditing Committee* shall consist of two Fellows, one of whom shall be elected annually to serve for a term of two years. It shall audit the accounts of the Treasurer with power to employ an expert and to approve the payment of his charges.

(vi) *The Committee on Publication* shall consist of the Editor as Chairman, *ex officio*, and four other Fellows, one from each Class, two of whom shall be elected annually to serve for a term of two years. It shall have the authority and the responsibility of determining the contents and of effecting the printing of the publications of the Academy as set forth in Chapter IX.

(vii) *The Permanent Science Fund Committee* shall consist of seven Fellows of whom there shall be elected, at successive Annual Meetings in each triennium, two, two, and three members, respectively, each to serve for a term of three years. One member of this Committee shall, in such an election, be designated by the electors to serve as Chairman for the duration of the term for which he has been elected as a member of the Committee. It shall review all applications for grants addressed to it and shall from time to time recommend to the Council appropriate disbursements from the income received by the Academy from the Trustee of the Permanent Science Fund, for carrying out the purposes set forth in the Agreement and Declaration of Trust which governs the use of this income.

(viii) *The Rumford Committee* shall consist of seven Fellows of whom there shall be elected, at successive Annual Meetings in each triennium, two, two, and three members, respectively, each to serve for a term of three years. One member of this Committee shall, in such an election, be designated by the electors to serve as Chairman for the duration of the term for which he has been elected as a member of the Committee. It shall invite applications for pecuniary assistance in support of researches in the general fields of heat and light broadly interpreted, and shall from time to time recommend to the Council

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

disbursements in support thereof from the income from the Rumford Fund. Biennially it shall recommend to the Council a candidate for the reception of the Rumford Medal to be awarded in accordance with the Rumford trust, and shall in general see to the proper execution of this trust.

(ix) *The C. M. Warren Committee* shall consist of seven Fellows of whom there shall be elected, at successive Annual Meetings in each triennium, two, two, and three members, respectively, each to serve for a term of three years. One member of this Committee shall, in such an election, be designated by the electors to serve as Chairman for the duration of the term for which he has been elected as a member of the Committee. It shall invite applications for pecuniary assistance from any person wishing to engage in research in any branch of chemistry, and shall recommend to the Council such applications as seem worthy of aid and such other disbursements from the income of the C. M. Warren Fund as it deems appropriate to the advancement of research in chemistry.

(x) *The Amory Prize Committee* shall consist of seven Fellows, each of whom shall serve from the time of his election until his successor is elected. Immediately after the Annual Meeting in 1950 and at least every seventh year thereafter it shall at the call of its senior officer, meet and elect from its own members, a chairman and a secretary, each to serve for seven years or until his successor is elected in a similar manner at an interim meeting at which at least five members shall cast their votes. For each septennium beginning with that which was concluded on November 10, 1933, it shall recommend to the Council for its approval a recipient or recipients of the Amory Prize and a gold medal or other token of honor and merit to be conferred upon each by the President and Fellows of the Academy in recognition of an invention or other contribution in the medical field specified in and according to the terms of the bequest of Francis Amory.

(xi) *The Nominating Committee* shall consist of twelve Fellows, three from each Class, having the right to vote. The members of the first Nominating Committee constituted hereunder shall be appointed within each Class by the President for terms of one, two and three years. The President shall also appoint one of the Committee to act as Chairman. Thereafter, as vacancies in the membership of the Committee occur, four members, one from each Class, shall be elected annually to serve for a term of three years, one member at such election being designated to act as Chairman for the duration of the term

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

for which he has been elected as a member of the Committee. Nominations for such elections, within each Class, shall be by a vote of the Committee.

(xii) *The Committee on International Relations* shall consist of nine Fellows, three of whom shall be elected at each Annual Meeting to serve for a term of three years. One member of this Committee shall, in such an election, be designated by the electors to serve as Chairman for the duration of the term for which he has been elected as a member of the Committee. It shall consider the responsibilities of the Academy in its international aspects.

(xiii) *The Emerson-Thoreau Medal Committee* shall consist of seven Fellows of whom there shall be elected, at successive Annual Meetings in each triennium, two, two, and three members, respectively, each to serve for a term of three years. One member of this Committee shall, in such an election, be designated by the electors to serve as Chairman for the duration of the term for which he has been elected as a member of the Committee. It shall recommend annually to the Council a candidate, not necessarily a citizen of the United States of America, for the reception of the Emerson-Thoreau Medal for distinguished achievement in the broad field of literature.

(xiv) *The Elizabeth Thompson Science Fund Committee* shall consist of seven Fellows of whom there shall be elected, at successive Annual Meetings in each triennium, two, two, and three members, respectively, each to serve for a term of three years. One member of this Committee shall, in such an election, be designated by the electors to serve as Chairman for the duration of the term for which he has been elected as a member of the Committee. It shall review all applications for grants addressed to it and shall from time to time recommend to the Council appropriate disbursements from the income received by the Academy from the Elizabeth Thompson Science Fund, for carrying out the object and purpose of the Donor, Mrs. Elizabeth Thompson, as expressed in her Deed of Trust dated October 16, 1885, which governs the use of this income.

(xv) *The School Science Committee* shall consist of seven Fellows of whom there shall be elected, at successive Annual Meetings in each triennium, two, two, and three members, respectively, each to serve for a term of three years. One member of this Committee shall, in such an election, be designated by the electors to serve as Chairman for the duration of the term for which he has been elected as a mem-

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

ber of the Committee. It shall engage in activities to improve the teaching of science.

ARTICLE 2. Each Standing Committee shall confine expenditures and its recommendations of expenditures to such sums in each fiscal year as shall have been notified to its Chairman by the Secretary of the Academy as appropriations voted by the Academy, or by the Treasurer as income available for its purposes.

ARTICLE 3. Each Standing Committee shall report to the Academy at the Annual Meeting its acts of the previous year.

See Chap. iii; chap. iv, art. 1, 3; chap. vi, art. 4; chap. vii, art. 1, 2, 4; chap. ix, art. 1, 2.

CHAPTER XII

MEETINGS, COMMUNICATIONS, AND AMENDMENTS

ARTICLE 1. There shall be annually eight Stated Meetings of the Academy, namely, on the second Wednesday of October, November, December, January, February, March, April, and May. Only at these meetings, or at adjournments thereof regularly notified, or at Special Meetings called for the purpose, shall appropriations of money be made or amendments of the Statutes be effected.

The Stated Meeting in May shall be the Annual Meeting of the Corporation.

Special Meetings shall be called by the Secretary at the request of the President, of the Council, or of ten Fellows having the right to vote; and notifications thereof shall state the purpose for which the meeting is called.

The Council shall have authority, as occasion may demand, to arrange additional meetings and to cancel any of the statutory meetings, except that meetings for transacting business shall be held as required by the Statutes.

ARTICLE 2. Except as otherwise provided, twenty-five Fellows having the right to vote shall constitute a quorum for the transaction of business at Stated or Special Meetings. Eighteen Fellows shall be sufficient to constitute a meeting for literary or scientific communications and discussions.

ARTICLE 3. Upon the request of the presiding officer or the Secretary, any motion or resolution offered at any meeting shall be submitted in writing.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

ARTICLE 4. Fellows may introduce guests at any of the literary or scientific meetings of the Academy.

ARTICLE 5. All amendments to the Statutes, whether proposed by Fellows or by the Council, shall be considered by the Council and reported with recommendations for action to the Academy. At a subsequent Stated Meeting, or at a Special Meeting called for the purpose, the notice for which in either case shall state this proposed amendment, the Academy shall act upon the amendment. Two-thirds of the Fellows present, in a meeting of not less than forty Fellows, must vote in the affirmative to enact the amendment.

See Chap. ii, art. 6, 10; chap. iii, art. 1, 2; chap. iv, art. 1, 3, 4, 5; chap. v, art. 1; chap. vi, art. 2, 3; chap. vii, art. 2, 5; chap. ix, art. 2; chap. x, art. 5; chap. xi, art. 1, 3.

Charter of Incorporation

An Act to incorporate and establish a Society for the cultivation and promotion of Arts and Sciences. Granted May 4, 1780, by an Act of the Legislature of Massachusetts, and amended by the Acts of 1910, 1911, 1931, and 1947.

As the Arts and Sciences are the foundation and support of agriculture, manufactures, and commerce; as they are necessary to the wealth, peace, independence, and happiness of a people; as they essentially promote the honor and dignity of the government which patronizes them; and as they are most effectually cultivated and diffused through a State by the forming and incorporating of men of genius and learning into public societies for these beneficial purposes.

Be it therefore enacted by the Council and House of Representatives in General Court assembled and by the authority of the same, that [sixty-two persons][1] be, and they hereby are formed into, constituted, and made a body politic and corporate, by the name of THE AMERICAN ACADEMY OF ARTS AND SCIENCES, and that they, and their successors, and such other persons as shall be elected in the manner hereafter mentioned, shall be and continue a body politic and corporate, by the same name forever.

And be it further enacted by the authority aforesaid, that the Fellows of the said Academy may from time to time elect a President, one or more Vice-Presidents, one or more Secretaries, and such other

[1] For the names of the Fellows incorporated, see Memoirs, Vol. XI, Part I, pp. 33, 34.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

officers of the said Academy as they shall judge necessary or convenient; and they shall have full power and authority from time to time to determine and establish the names, number, and duties of their several officers, and the tenure or estate they shall respectively have in their offices; and also to authorize and empower their President, or some other Fellow of the Academy, at their pleasure, to administer such oaths to such officers as they shall appoint and determine, for the well-ordering and good government of the said Academy, provided the same be not repugnant to the laws of this State.

And be it further enacted by the authority aforesaid, that the Fellows of the said Academy shall have one Common Seal, which they may make use of in whatsoever cause or business shall concern the Academy, or be relative to the end and design of its institution; and shall have power and authority from time to time to break, change, and renew the Common Seal, at their pleasure; and that they may sue and be sued, in all actions, real, personal, and mixed, and prosecute and defend the same unto final judgment and execution, by the name of the President and Fellows of the American Academy of Arts and Sciences.

And be it further enacted by the authority aforesaid, that the Fellows of the said Academy may from time to time elect such persons to be Fellows thereof, as they shall judge proper, and that they shall have full power and authority from time to time to suspend, expel, or disfranchise any Fellow of the said Academy who shall by his conduct render himself unworthy of a place in that body, in the judgment of the Academy; and also to settle and establish the rules, forms, and conditions of election, suspension, expulsion, and disfranchisement.

And be it further enacted by the authority aforesaid, that the Fellows of the said Academy shall have full power and authority from time to time to make and enact such reasonable rules, orders, and bylaws, not repugnant to the laws of this State, as shall be necessary or convenient for the well-ordering and good government of the said Academy, and to annex reasonable pecuniary fines and penalties to the breach of them, not exceeding the sum of *twenty pounds*, to be sued for and recovered in any court of record within this State, in the name and for the use of the President and Fellows of the said Academy; and the same rules, orders, and bylaws to repeal at their pleasure; and also to settle and establish the times, places, and manner of convening the Fellows of the said Academy; and also to determine the number of Fellows which shall be present to constitute a meeting of the said

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Academy. *Provided*, that the Fellows of the said Academy shall meet twice in a year at the least; and that the place of their meeting shall never be more than thirty miles distant from the town of Boston.

And be it further enacted by the authority aforesaid, that the Fellows of the said Academy may, and shall forever hereafter, be deemed capable in the law, of having, holding, and taking in fee-simple, or any less estate, by gift, grant, devise or otherwise, any lands, tenements or other estate real and personal. *Provided*, that the said real estate shall not exceed in value the sum of *two hundred thousand dollars*, and the said personal estate shall not exceed in value the sum of *five hundred thousand dollars*, all the sums mentioned in the preceding section of this act to be valued in silver at the rate of *six shillings and eightpence* by the ounce. And the annual interest and income of the said real and personal estate, together with the fines and penalties aforesaid, shall be appropriated for premiums to encourage improvements and discoveries in agriculture, arts, and manufactures, or for other purposes consistent with the end and design of the institution of the said Academy as the Fellows thereof shall determine.

And be it further enacted by the authority aforesaid, that the end and design of the institution of the said Academy is, to promote and encourage the knowledge of the antiquities of America, and of the natural history of the country, and to determine the uses to which the various natural productions of the country may be applied; to promote and encourage medical discoveries; mathematical disquisitions; philosophical inquiries and experiments; astronomical, meteorological, and geographical observations; and improvements in agriculture, arts, manufactures, and commerce; and, in fine, to cultivate every art and science which may tend to advance the interest, honor, dignity, and happiness of a free, independent, and virtuous people.

And it is further enacted, that the place where the first meeting of the Fellows of the said Academy shall be held shall be the Philosophy Chamber in the University of Cambridge; and that the Honorable James Bowdoin, Esq., be, and he hereby is authorized and empowered to fix the time for holding the said meeting, and to notify the same to the Fellows of the Academy.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Records of Meetings, 1957-1958

October 9, 1957 – Stated Meeting

The One Thousand Four Hundredth Meeting of the Academy convened on October 9, 1957, for a reception, dinner, and a program of dedication of its new quarters on Faulkner Farm in Brookline.

There were present 224 Fellows and 229 guests. The receiving line included the President of the Academy; representatives of the Brandegee family (donors of the new House), the Governor of the Commonwealth of Massachusetts, the Consular Corps, six learned societies; and 32 new Fellows.

Mrs. John E. Boit of Brookline brought to the Academy the greetings and welcome from the children of Mrs. Edward L. Brandegee.

Greetings from three learned societies were presented as follows:

Dr. William J. Robbins, President of the American Philosophical Society

Dr. Rickard Sandler, on behalf of the Royal Swedish Society

Dr. Thomas W. Cameron, on behalf of the Royal Society of Canada

Greetings by mail were received from the Deutsche Akademie der Wissenschaften zu Berlin and by cable from the Accademia Nazionale dei Lincei.

The remarks of President Mather concerning the opportunities of the Academy in its new House were concluded by his proposal of the following toast which was celebrated with champagne:

"To the American Academy of Arts and Sciences, venerable but ever blessed with intellectual vitality. May the new House of the Academy be not only a haven in the midst of a noisy world to which men of learning may repair for quiet contemplation and creative thought, as well as a meeting place where specialists may share their expert knowledge with one another, but also a dwelling in which shall abide the elusive spirit of unity, so essential to the existence of a true community embracing all who devote their energies to intellectual and aesthetic pursuits. May the social, intellectual, and spiritual intercourse which this House makes possible among academicians of all disciplines greatly increase their efficiency as they strive 'to cultivate every art and science which may tend to advance the interest, honor, dignity, and happiness of a free, independent, and virtuous people.'"

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

November 13, 1957 — Stated Meeting

The One Thousand Four Hundred and First Meeting of the Academy convened at its House on November 13, 1957, and was called to order by President Mather at 8:15 P.M.

There were present 208 Fellows and 276 guests.

The records of the meetings of May 8, 1957, and October 9, 1957, were presented and approved.

The following recently elected Fellows were introduced: Raymond Lewis Bisplinghoff (I:6), Marshall B. Dalton (III:5), Max F. Millikan (III:2), and Hugh A. Stubbins, Jr. (IV:4).

The Secretary reported that the Council had authorized and the President had appointed a Committee on Informal Gatherings, consisting of J. O. Brew (Chairman), Jerome S. Bruner, Mason Hammond, Hudson Hoagland, and the President, *ex officio*. Arrangements have already been made for the following teas: on December 12, 1957, to receive George Taylor, Director of the Royal Botanic Gardens at Kew, England; on December 17, 1957, to celebrate the 150th birthday anniversary of John Greenleaf Whittier; and on a date in January, 1958, or March, 1958, for discussion of the situation in Germany with James B. Conant.

The President introduced R. B. Lindsay, Vice-President of Class I, to take the Chair during the presentation of the communication on *Atoms and Human Knowledge* by the following panel: Niels Bohr, P. W. Bridgman, Philipp Frank, and J. Robert Oppenheimer.

The meeting was dissolved about 10 P.M.

December 11, 1957 — Stated Meeting

The One Thousand Four Hundred and Second Meeting of the Academy convened at its House on December 11, 1957, and was called to order by President Mather at 8:20 P.M.

There were present 70 Fellows and 128 guests.

The records of the meeting of November 13, 1957, were presented and approved.

The Secretary reported that the Council had authorized the extension for another year of the Committee on the Role of Science in American Education.

Mr. Mather reported that gifts of more than $1,400 had been received in response to the letter sent out with the December *Bulletin*.

The President introduced Dr. Harry C. Solomon, Director of the

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Massachusetts Mental Health Center, who took the Chair during the presentation of the communication on the question: *Is Preventive Psychiatry Possible?* led by Dr. Lawrence S. Kubie with commentary by Dr. Jack Ewalt, Dr. Dana Farnsworh, and Dr. Alfred H. Stanton.

The meeting was dissolved about 10:30 P.M.

January 8, 1958 – Stated Meeting

The One Thousand Four Hundred and Third Meeting of the Academy convened at its House on January 8, 1958, and was called to order by President Mather at 8:15 P.M.

There were present 56 Fellows and 75 guests.

The records of the meeting of December 11, 1957, were presented and approved.

The Secretary reported that the Council had voted to recommend amending the Statutes to make the Emerson-Thoreau Medal Committee a Standing Committee of the Academy. The President stated that this announcement constituted due notice of the proposed change which would be voted upon at the next Stated Meeting.

The following communication was presented:

Fred L. Whipple: *Artificial Earth Satellites.*

February 12, 1958 – Stated Meeting

The One Thousand Four Hundred and Fourth Meeting of the Academy convened at its House on February 12, 1958, and was called to order by President Mather at 8:15 P.M.

There were present 60 Fellows and 59 guests.

The records of the meeting of January 8, 1958, were read and approved.

The Secretary reported that the Council had voted to establish an ad hoc committee to plan a conference to commemorate the centenary in 1959 of the death of Alexander von Humboldt.

The Council had also voted to add, to the Standing Committees of the Academy, the Committee on School Science, and the Elizabeth Thompson Science Fund Committee; and to amend the Statutes of the Academy to establish these and two committees previously voted upon – the Committee on International Relations (May 9, 1956) and the Committee on the Emerson-Thoreau Medal (January 8, 1958). The President, therefore, gave notice that at the meeting on March 12, 1958, Statutory Amendments would be presented to the Academy

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

for its approval to instate the following four committees as Standing Committees: The Committee on International Relations, The Emerson-Thoreau Medal Committee, The Elizabeth Thompson Science Fund Committee, and The School Science Committee. The specific wording of the amendments will be presented in the March issue of the *Bulletin*.

The following communication was presented: *The Egghead Rides Again – the Role of the Scholar in American Life Today* by Messrs. Erwin D. Canham, Eric A. Havelock, and Philip M. Morse.

The meeting was dissolved about 10:30 P.M.

March 12, 1958 – Stated Meeting

The One Thousand Four Hundred and Fifth Meeting of the Academy convened at its House on March 12, 1958, and was called to order by President Mather at 8:15 P.M.

There were present 43 Fellows and 53 guests.

The President announced that the Council had named Hudson Hoagland, Secretary, *pro tempore*.

The records of the meeting of February 12, 1958, were read and approved.

Mr. Hoagland reported recommendation of the Council to postpone action on appropriations and assessments until the April meeting of the Academy.

To establish certain committees of the Academy as Standing Committees, it was voted to amend the Statutes as proposed at the meeting on February 12, 1958, and as set forth in the March issue of the *Bulletin*, as follows:

Add the following four paragraphs to Chapter XI, Article 1.

(xii) *The Committee on International Relations* shall consist of nine Fellows, three of whom shall be elected at each Annual Meeting to serve for a term of three years. One member of this Committee shall, in such an election, be designated by the electors to serve as Chairman for the duration of the term for which he has been elected as a member of the Committee. It shall consider the responsibilities of the Academy in its international aspects.

(xiii) *The Emerson-Thoreau Medal Committee* shall consist of seven Fellows of whom there shall be elected, at successive Annual Meetings in each triennium, two, two, and three members, respectively, each to serve for a term of three years. One member of this

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Committee shall, in such an election, be designated by the electors to serve as Chairman for the duration of the term for which he has been elected as a member of the Committee. It shall recommend annually to the Council a candidate, not necessarily a citizen of the United States of America, for the reception of the Emerson-Thoreau Medal for distinguished achievement in the broad field of literature.

(xiv) *The Elizabeth Thompson Science Fund Committee* shall consist of seven Fellows of whom there shall be elected, at successive Annual Meetings in each triennium, two, two, and three members, respectively, each to serve for a term of three years. One member of this Committee shall, in such an election, be designated by the electors to serve as Chairman for the duration of the term for which he has been elected as a member of the Committee. It shall review all applications for grants addressed to it and shall from time to time recommend to the Council appropriate disbursements from the income received by the Academy from the Elizabeth Thompson Science Fund, for carrying out the object and purpose of the Donor, Mrs. Elizabeth Thompson, as expressed in her Deed of Trust dated October 16, 1885, which governs the use of this income.

(xv) *The School Science Committee* shall consist of seven Fellows of whom there shall be elected, at successive Annual Meetings in each triennium, two, two, and three members, respectively, each to serve for a term of three years. One member of this Committee shall, in such an election, be designated by the electors to serve as Chairman for the duration of the term for which he has been elected as a member of the Committee. It shall engage in activities to improve the teaching of science.

It is understood that these Committees shall become Standing Committees immediately after the Annual Meeting of the Academy on May 14, 1958, and that the President of the Academy shall appoint their first members and indicate their terms on the Committees appropriately to establish the rotation scheme indicated by the Statutes.

It was further voted, in order to improve the wording of existing Statutes defining the Standing Committees on the Permanent Science Fund, the Rumford Fund and the Warren Fund, that in each of these cases in Chapter XI, Article 1, sections (vii), (viii), and (ix), instead of the words, "shall be elected at Annual Meetings in each triennium, respectively, two, two, and three members, each to serve for a term of three years," there be inserted the following wording: "shall be

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

elected, at successive Annual Meetings in each triennium, two, two, and three members, respectively, each to serve for a term of three years."

Under the Chairmanship of George P. Baker, the following communications on *The Control of Outer Space* were presented: *The Physical Aspects* by Edward L. Bowles, who was assisted by the following panel of discussants: Ivan Getting, Henry G. Houghton, John Hovorka, Carl F. J. Overhage, Donald H. Menzel, and William H. Radford; *The Legal Aspects* by John Cobb Cooper.

The meeting was dissolved at 10:40 P.M.

April 9, 1958 — Stated Meeting

The One Thousand Four Hundred and Sixth Meeting of the Academy convened at its House on April 9, 1958, and was called to order by President Mather at 8:15 P.M.

There were present 51 Fellows and 62 guests.

The President announced that the Council had named Hudson Hoagland, Secretary, *pro tempore*.

The records of the meeting of March 12, 1958, were read and approved.

Upon recommendation of the Council, it was voted to appropriate as follows for the fiscal year beginning April 1, 1958:

Appropriations for General Operations, 1958-1959:

Administration	$33,147	
House	20,185	
President	500	
Treasurer	3,000	
Committees		
Financial Resources	5,000	
Informal Gatherings	500	
International Relations	300	
Planning and Development	1,000	
School Science	300	$ 63,932
To Add to Principal, Library Sale Fund		1,000
		$ 64,932

Appropriations for Publications, 1958-1959:

General	56,700
	$121,632

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Upon the recommendation of the Council, it was voted that the dues assessment for the fiscal year beginning April 1, 1958, shall be $15 for Resident Fellows and $5 for Non-Resident Fellows.

The Treasurer reported that the usual sources of income from which these appropriations could be made were estimated to be $68,219. He further reported the Council's unanimous vote to rely upon a fund-raising campaign to supply the additional $53,413 required to meet the appropriations. He pointed out that should the fund-raising activities come short for any reason there would be available to cover the deficiency the unrestricted principal or accumulated income of certain funds of the Academy. He indicated that the major requirement for the new funds was in the development of the new journal, *Dædalus*, and other publication plans for which over $42,000 beyond the expected income was needed during the current year. For this project, he pointed out, there is already in sight a contribution equivalent to $20,000 to $25,000 if the pending agreement with the Wesleyan University Press is concluded. The other major requirement for new funds comes under the general administration for increased activities of the Academy, where nearly $11,000 additional is needed, including $5,000 for the fund-raising operation.

The appropriations for the House of $20,185 are to be offset by contributions of between $2,000 and $3,000, which leave a net appropriation (from the Academy's General Funds) of a little over $17,000. This is in accordance with the estimates of the previous year that we could cover minimum costs in the new House by using the income of over $14,000 from the principal of the Agassiz Fund, which derives from the sale of 28 Newbury Street, plus the cost of renting quarters for offices and storage. Besides the above-indicated appropriation of $20,185 by the Academy, the Brandegee Charitable Foundation will appropriate at least $10,000.

In addition to these appropriations, the Academy carries on activities financed by the income from the Restricted Endowment Funds and the income which supports various special projects.

The Treasurer reported that the estimated total available for expenditures from the Restricted Endowment Funds (other than those for publications) during the fiscal year beginning April 1, 1958, to be expended in accordance with the rules and customs applying to the several trusts involved, would be as follows:

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Restricted Endowment Funds:

	Estimated Total Available for 1958-1959	
Mabel Agassiz	$ 125.40	
Amory	17,743.96	
Permanent Science	24,595.56	
Rumford	25,116.56	
Thompson	2,139.89	
Warren	3,574.46	$73,295.83

The other projects financed by grants and other income from outside sources require no appropriation out of Academy funds. Recently, these have amounted to around $20,000 or more a year and may be as much as $70,000 this year.

The Treasurer indicated that the officers of the Academy were satisfied that more than $50,000 of new funds could be raised; but he said that, if the new income is not found and we were required to fall back on using the principal of Academy funds, he could not approve another deficit budget for the following year and would recommend curtailment of our activities.

The following communication was presented:

Sir Hamilton Gibb: *The Middle East: Situation and Prospects.*

The meeting was dissolved at 10:30 P.M.

May 14, 1958 — Annual Meeting

The One Thousand Four Hundred and Seventh Meeting of the Academy was convened at its House, on May 14, 1958, and was called to order by President Mather at 8:05 P.M.

There were present 42 Fellows and 84 guests.

The President announced that the Council had named Walter M. Whitehill Secretary, *pro tempore,* in the absence of Mr. Billings.

The records of the meeting of April 9, 1958, were read and approved.

Mr. Whitehill read the annual report of the Secretary (printed below) on changes in the membership of the Academy, and the members stood to pay their respects during the reading of the names of those who had died.

The reports of the Auditing Committee (Mr. Earl P. Stevenson), the Treasurer (Mr. Thomas B. Adams), and the Standing Committees were received, and are printed below.

The President announced that the Academy is completing an

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

agreement with the Wesleyan University Press for joint publication of *Dædalus* and that the agreement had been endorsed by the Council this afternoon.

Upon recommendation of the Council and Committee on Membership, it was voted to elect 132 Fellows and 29 Foreign Honorary Members, as listed below in the Report of New Members Elected.

It was voted to elect the Officers and Standing Committees as proposed by the Nominating Committee and as reported below under Officers and Committeemen Elected.

The following communication was presented: *The Role of Science in American Education.* Mr. Edwin C. Kemble, Chairman of the Academy's Committee on the Role of Science in American Education, presented the report of that committee. The matter was further discussed by Mr. Warren Weaver and Mr. Fletcher G. Watson.

The meeting was dissolved at 10:35 P.M.

Report of the Secretary on Changes in the Membership, 1957–1958

I regret to have to report the following deaths: Thirty Fellows and ten Fellows Emeriti – Arthur Wilburn Allen (II:5), Francis Gano Benedict (II:1), William T. Bovie (II:1), Charles Franklin Brooks (FE I:5), Emile Monnin Chamot (I:3), William Irving Clark (II:5), George Raleigh Coffman (FE IV:3), Gerty Theresa Cori (II:1), Reginald Aldworth Daly (FE I:5), Clinton Joseph Davisson (I:2), Frederick May Eliot (IV:1), James Everett Frame (IV:1), Alan Gregg (II:5), Frank Lauren Hitchcock (FE I:1), Murray Philip Horwood (I:6), Melvin Maynard Johnson (FE III:4), Irving Langmuir (I:3), Kenneth Lamartine Mark (FE I:3), Stewart Mitchell (IV:2), William De Witt Mitchell (III:4), William Lorenzo Moss (II:5), William Bennett Munro (III:3), William Albert Nitze (IV:3), Frederick Law Olmsted (I:6), Robert Henry Pfeiffer (IV:2), Henry Augustus Pilsbry (II:3), Simon Rawidowicz (IV:3), David Moore Robinson (IV:2), Austin Flint Rogers (I:5), Carl-Gustaf Arvid Rossby (I:5), Clyde Orval Ruggles (FE III:2), Gaetano Salvemini (FE IV:2), Karl P. Schmidt (II:3), Henry Dwight Sedgwick (IV:4), Harald Ulrik Sverdrup (I:5), Francis Henry Taylor (IV:4), Martin Wagner (FE IV:4), Leonard Dupee White (III:3), Willis Rodney Whitney (I:3), Charles Henry Conrad Wright (FE IV:3). Nine Foreign Honorary Members – Jean-Marie

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Carré (IV:3), Léon William Collet (I:5), Paul Kretschmer (IV:3), Juljusz Makarewicz (III:4), Gilbert G. A. Murray (IV:3), Jean Julius Christian Sibelius (IV:4), Alfred Weber (III:1), Heinrich Wieland (I:3), Sir Alfred Zimmern (III:3).

Nine Fellows have been classed as Emeriti as of May, 1957: Warren Ortman Ault (IV:2), Edwin Garrigues Boring (II:4), Charles Franklin Brooks (I:5), Serge Elisséeff (IV:3), Cyrus Hartwell Fiske (II:1), Warren Judson Mead (I:5), Howard Rollin Patch (IV:3), Hyder Edward Rollins (IV:3), Archer Taylor (IV:3). Two Fellows have been classed as Emeriti as of May, 1958: Brenton Reid Lutz (II:4), Reinhold Rüdenberg (I:6).

One Fellow has resigned: Philip Showalter Hench (II:5).

The following changes in the classification of members were made by the Council with the concurrence of the members: Sir Alan Henderson Gardiner from IV:2 to IV:3; Perry Townsend Rathbone from IV:3 to III:5.

In May, 1957, 103 Fellows and 16 Foreign Honorary Members were elected to the Academy; all except four accepted election.

The roll now includes 1204 Fellows, 64 Fellows Emeriti and 148 Foreign Honorary Members (exclusive of 132 Fellows and 29 Foreign Honorary Members scheduled for election tonight).

Respectfully submitted,

May 14, 1958 WALTER M. WHITEHILL, *Secretary*, pro tem.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Report of the Treasurer

The following items which are contained in the Report of the Treasurer as distributed at the annual meeting are not included herewith: *Report of the Auditing Committee*, *Report of Independent Public Accountants*, *Schedule D* (Investments), *and Schedule E* (Cash). The complete Report of the Treasurer is available to any Fellow upon request from the Academy office.

Schedule A

Statement of Assets and Funds

March 31, 1958

Assets

Investments (market value $1,336,759.52) (Schedule D)		$1,137,786.53
Cash (Schedule E)		8,814.26
Prepaid insurance		530.75
		$1,147,131.54

Funds

Restricted funds (Schedule G)	$471,250.97	
General funds (Schedule G)	620,919.36	1,092,170.33
Unexpended income accounts (Schedule F)		54,961.21
		$1,147,131.54

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Schedule B

Receipts for the Fiscal Year Ended March 31, 1958

Academy, General:			
Investment Income (Schedule D)	$55,263.77		
Less: Income to Special Funds	15,612.55		
		$ 39,651.22	
Contributions		600.55	
Assessments and Admissions Fees		11,610.00	
Overhead Credits and Misc. Income		1,587.28	$ 53,449.05
Mabel S. Agassiz Fund: Investment Income			128.80
Amory Fund Committee: Investment Income			4,180.59
Chemical Concepts of Insanity			8,000.00
Emerson-Thoreau Medal			1,775.00
Life Membership Fund			300.00
Monks Manuscript			5,000.00
National Science Foundation Grants:			
Committee on Acceptance of Scientific Theories			636.55
New England Courant			101.67
Permanent Science Fund:			
Boston Safe Deposit and Trust Co., Trustee		$ 17,733.77	
Return of Grants		1,099.46	18,833.23
Publication Committee:			
Investment Income		$ 2,761.92	
Sale of Publications		2,813.68	
Lake Publications		799.55	6,375.15
Publication Exchange Fund:			
Linda Hall Library			4,772.96
Rumford Fund Committee:			
Investment Income		$ 7,100.10	
Climatic Changes		114.51	
Moonwatch Project		517.00	7,731.61
Special Endowment Fund: Contributions			1,457.50
Slavic Civilization Publications			1,985.36
Elizabeth Thompson Science Fund			34,118.08
Totalitarianism Publication			125.13
Unity of Science			327.00
Validation of Scientific Theories			655.83
Warren Fund Committee: Investment Income			1,441.14
Total			$151,394.65
Gain on Sales of Securities (Net)			15,024.44
Total Receipts (Net)			$166,419.09

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Schedule C

Expenditures for the Fiscal Year Ended March 31, 1958

Academy, General:		
Salaries and Pensions, etc.	$23,848.36	
General Administration	11,780.09	
Temporary Quarters and Moving Expense	1,697.90	
House Maintenance	10,395.26	
President's Expense	248.80	
Treasurer's Expense	610.98	
Investment Custodian Account	1,121.00	
Committee Appropriations:		
School Science	50.87	
International Relations	61.36	
		$ 49,814.62
Mabel S. Agassiz Fund: For Meetings		128.80
Amory Fund:		
Meetings Expense, etc.		192.66
Committee on		
Emerson-Thoreau Medal		2.05
Validation of Scientific Theories		327.00
Unity of Science		285.32
History of Government in Science		198.03
Acceptance of Scientific Theories		4,488.94
Science and Modern World View Conference (Net)		94.25
International Optical Congress		3,318.99
Chemical Concepts of Insanity		7,887.86
Monks Manuscript		7,199.57
New England Courant		196.03
Permanent Science Fund:		
Awards	$20,490.00	
Expense	1,192.39	21,682.39
Publications Committee:		
Bulletins	$ 1,039.46	
Daedalus	11,566.24	
Proceedings	3,783.26	
Miscellaneous	2,950.75	
		19,339.71
Rumford Fund Committee:		
Moonwatch	$ 100.00	
Miscellaneous	140.20	240.20
Slavic Civilization Publications		476.76
Warren Fund Committee:		
Awards	$ 3,130.00	
Miscellaneous	6.17	3,136.17
Total Expenditures (Net)		$119,009.35
Increase of Resources (Net)		47,409.74
Total		$166,419.09

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

SCHEDULE F

SUMMARY OF OPERATING ACCOUNTS

Account	*Balance March 31 1957*	*Investment Income*	*Other Income*	*Charges Against Income*	*Balance March 31 1958*
General	.....	$39,651.22	$13,797.83	$ 53,449.05	.....
Acceptance of Scientific Theories	$ 9,111.86	.....	636.55	4,488.94	$ 5,259.47
Amory Fund	9,435.74	4,180.59	.....	192.66	13,423.67
Chemical Concepts of Insanity	.....	.....	8,000.00	7,887.86	112.14
Emerson-Thoreau Medal	.....	.....	1,775.00	2.05	1,772.95
History of Government in Science	198.03	.....	.....	198.03	.....
Unity of Science	.....	.....	327.00	285.32	41.68
International Optical Congress	3,318.99	.....	.....	3,318.99	.....
Modern World View Conference	94.25	.....	.....	94.25	.....
Monks Manuscript	234.62	.....	6,964.95	7,199.57	.....
New England Courant	107.70	.....	101.67	196.03	13.34
Permanent Science Fund Income Account	9,444.72	.....	18,833.23	21,682.39	6,595.56
Publications — General	10,746.57	2,761.92	5,406.28	19,339.71	(424.94)*
Publications — Lake	3,404.11	.....	799.55	.....	4,203.66
Publications — Praxagoras	900.00	.....	.....	.....	900.00
Rumford Fund	10,249.94	7,100.10	114.51	140.20	17,324.35
Rumford Fund — Moonwatch	.....	.....	517.00	100.00	417.00
Slavic Civilization Publication	811.87	.....	1,985.36	476.76	2,320.47
Totalitarianism Publication	270.26	.....	125.13	.....	395.39
Validation of Scientific Theories	.....	.....	655.83	327.00	328.83
Warren Fund	3,972.67	1,441.14	.....	3,136.17	2,277.64
	$62,301.33	$55,134.97	$60,039.89	$122,514.98	$54,961.21
		(Schedule B)			(Schedule E)

*Overdrafts.

SCHEDULE G

FUNDS

	Balance March 31 1957	*Investment Income*	*Other Receipts**	*Charges Against Funds**	*Balance March 31 1958*
General Funds:					
Regular	$ 49,848.38	.....	.....	.....	$ 49,848.38
The Agassiz Fund	229,717.35	.....	.....	.....	229,717.35
Barbour Fund	5,000.00	.....	.....	.....	5,000.00
Current Expense	16,972.01	.....	$ 3,634.43	.....	20,606.44
Kennelly Fund	2,675.59	.....	.....	.....	2,675.59
Library Sale Fund	288,876.91	.....	16,123.09	.....	305,000.00
Life Membership	6,000.00	.....	300.00	.....	6,300.00
Special Endowment Fund	314.10	.....	1,457.50	.....	1,771.60
Restricted Funds:					
Mabel S. Agassiz Fund	2,000.00	$128.80	.....	$ 128.80	2,000.00
Amory Fund	55,479.47	.....	.....	.....	55,479.47
Appleton Fund	17,278.39	.....	.....	.....	17,278.39
Centennial Fund	25,608.77	.....	.....	.....	25,608.77
Publication Exchange Fund	15,907.68	.....	4,772.96	20,680.64	.....
Rumford Fund	100,000.00	.....	.....	.....	100,000.00
The Elizabeth Thompson Science Fund	.....	.....	34,118.08	.....	34,118.08
Warren Fund	18,405.16	.....	.....	.....	18,405.16
Investment Reserve Fund	203,336.66	.....	15,986.94	962.50	218,361.10
	$1,037,420.47	$128.80	$76,393.00	$21,771.94	$1,092,170.33
		(Schedule B)			(Schedule A)

*Including gains and losses on sales of securities.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Description of Funds

General Funds

Present Balances $49,848.38 General Fund
6,300.00 Life Membership Fund
20,606.44 Current Expense Fund

Established by various subscriptions and contributions. The income of the first two funds is available for the general purposes and maintenance of the Academy – and both principal and income of the Current Expense Fund are available if needed.

The Agassiz Fund

Proceeds from sale of Academy building at 26-28 Newbury Street in Boston, May, 1955. Present balance, $229,717.35. Unrestricted as to use of principal. Income for general purposes.

Mabel S. Agassiz Fund

Gift of $2,000, 1940. Income for expenses of Academy meetings.

Francis Amory Fund

Bequest, 1912. Present balance, $55,479.47. For the purpose of establishing a Septennial Prize to encourage the invention and discovery of measures for the relief of maladies peculiar to the bladder and the various organs connected with it. The bequest directed that public notice should be given of the nature and design of the Fund and contributions should be solicited in aid of it. Four awards were made in 1940, six in 1947 and seven in 1954.

Appleton Fund

Present balance, $17,278.39. Established in 1854. The Trustees under the will of Samuel Appleton turned over to the Academy certain manufacturing stocks, of the par value of $10,000, for the purpose of constituting "a fund, the income of which is to be applied to the publication of the transactions of the said Society."

Thomas Barbour Fund

Bequest, 1947, $5,000. Unrestricted as to principal. Income for general purposes.

Centennial Publication Fund

Present balance, $25,608.77. Established in 1880 by gift of $1,000 from Dr. E. B. Cotting, a Fellow. Balance from subscriptions solicited by the Centennial Committee. Income is applied to publishing the transactions of the Academy.

Arthur E. Kennelly Fund

Bequest, 1939, $1,000. Present balance, $2,675.59. Unrestricted as to principal. Income for general purposes beginning 1957-58 by vote of Academy Council.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

LIBRARY SALE FUND

Sale Price, $320,000. May, 1946. Unrestricted as to principal. Income for general purposes. Present balance, $305,000.

PERMANENT SCIENCE FUND

Balance, March 31, 1958, $397,308.06 (market value of securities $648,827.71). Fund established in September, 1928, by agreement and declaration of trust of the Boston Safe Deposit and Trust Company, acting as Trustee. Principal of Fund is held and invested by the Trustee and the annual income paid over to the Academy, semi-annually, on request.

PERMANENT SCIENCE FUND (*Income Account*)

Balance, March 31, 1958, $6,595.56. Income of the Permanent Science Fund (above) accumulated and held apart. Available for awards for scientific research on recommendation of the Committee on the Permanent Science Fund of the Academy.

RUMFORD FUND

Gift of Count Rumford, 1797, $5,000 in three per cent stock of the United States. Present balance, $100,000.00. Income to be applied every second year as a premium consisting of a gold medal and a silver medal " to the author of the most important discovery or useful improvement which shall be made or published in writing during the preceding two years on heat and light."

Rulings of the Supreme Judicial Court of Massachusetts in 1832 and 1955 permit one or more awards of the premium annually and the granting of sums of money in addition to the medals. They permit the residue of the income to be used for the purchase of books, papers, philosophical apparatus, making publications or procuring lecturers, experiments and investigations, thereby carrying out the general intent and purpose of Count Rumford. The decree of 1955 permits the fund or any part thereof to be invested in such funds as are legal investments for trustees in Massachusetts.

SPECIAL ENDOWMENT FUND

Gifts, 1949-1958. Balance, March 31, 1958, $1,771.60. Income for general purposes beginning 1957-58 by vote of the Academy Council.

THE ELIZABETH THOMPSON SCIENCE FUND

The Academy accepted trusteeship of the Fund by action of its Council on January 8, 1958. The Fund was established by a deed of trust of Mrs. Elizabeth Thompson of Stamford, Conn., dated October 16, 1885, and provided $25,000 whose income only is " to be the means of enabling and promoting, investigation, and the study of science, for the sake of science and benefit of mankind."

Balance held by the Academy, March 31, 1958, $34,118.08.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

C. M. Warren Fund

Bequest of Cyrus M. Warren, 1891. Present balance, $18,405.16. The principal is to be held at interest and the income is to be applied toward the encouragement and advancement of research in the science or field of chemistry.

Respectfully submitted,
Thomas B. Adams, *Treasurer*

May 14, 1958

Report of the Amory Prize Committee

The Amory Committee held its meeting for the academic year on Monday, December 16, 1957, with all members and the Executive Officer present. The chief matter for discussion was the preparation of a pamphlet about the Amory Prizes similar to the one recently prepared for the Rumford Fund. Mr. Amory desired publicity to be given to his prizes and to this end ordered that his bequest be advertised annually in two Boston papers. This has been done but has proved ineffective in calling attention to the matter which so much concerned him. It has been the custom of the Amory Committee shortly before the end of each septennium to put notices about the prizes in professional journals which deal with research, palliation, and cure of genito-urinary diseases, and also in some general scientific journals. Such notices have been disappointing in the number and type of recommendations for award of the prizes that they have brought to the committee. It was the unanimous opinion of the committee that trial should be made of a more dignified and scientifically attractive procedure of calling attention of the appropriate part of the learned and professional world to the existence of these prizes. It was, therefore, determined to issue a pamphlet containing a brief statement of the aim of the Amory bequest, a list of recipients of the prizes with their citations, the abstract of the address of Dr. Huggins for the recipients of the second septennium, which appeared in the *Bulletin* of the Academy, and the address of Dr. Millen for the recipients of the third septennium, which recently appeared in *Dædalus*. The intention is to print enough copies of this pamphlet to serve for publicity throughout the present septennium, which runs to November 10, 1961.

Other business consisted of the usual discussion of current, recent

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

and prospective research in the genito-urinary field for the purpose of adding to the list of persons who should be considered for prizes as of the current septennium.

Respectfully submitted for the Committee,

EDWIN B. WILSON, *Chairman*
ROY G. HOSKINS, *Secretary*

May 14, 1958

Report of the House Committee

During its first century and a quarter, the Academy lived from pillar to post in borrowed or rented quarters, as I indicated in the Foreword to the September 1956 issue of *Dædalus*. For approximately half this we bunked in with the Boston Athenæum in Tremont, Pearl and in Beacon Streets. Then in 1904, when the Back Bay was still the unquestioned social and intellectual center of Boston, the Academy bought property of its own at 28 Newbury Street. Half a century later, when business was engulfing the neighborhood and M. I. T. – once a near neighbor – had long since retreated to Cambridge, 28 Newbury Street was sold. With problems of parking the site was no longer convenient, and the house, even after extensive improvements, remained uncompromisingly institutional and graceless.

For two seasons we returned to the peripatetic habits of earlier years and discovered the charms of having meetings both larger and smaller than had been convenient in Newbury Street. For certain council meetings the Bulfinch parlors of the Colonial Society in Mount Vernon Street proved pleasant; for the great Franklin musical celebration of April 1956 we easily filled the Kresge Auditorium. During this period, a special committee explored a variety of possibilities for permanent housing. Of all of these, the Brandegee Charitable Foundation's offer of Faulkner Farm in Brookline was clearly the most distinguished as well as the most generous. The house, designed by Herbert Browne, was a singularly handsome and tasteful building, skilfully planned both for pleasant family life and for entertaining on a large scale. Its gardens, which were an early work of Charles Platt, had matured to a point of mellowness rarely achieved in this country.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

With our first use of the house in June 1957, when the Mason Music Foundation generously provided a concert of eighteenth and twentieth century music for harpsichord, strings and voices, we discovered the admirable acoustical properties of the Tapestry Room for music. Moreover, when a sudden severe storm drove the three hundred guests indoors, we found that the house was quite capable, on no notice at all, of accommodating a garden party without crowding. It has proved equally pleasant for small and intimate gatherings. The October and November meetings, with record attendance of 448 and 432, respectively, proved that we had not buried ourselves out of travelling range, while the excellent snow removal following a severe storm in January made it possible for President Mather to remark that any Fellows who had been able to extricate their cars from garages in Cambridge and Belmont would find no difficulty in parking them at Faulkner Farm.

During the academic year, eight regular meetings of the Academy have been held, with an average attendance of 200. There have been 33 committee meetings, including those of the Council, attended by 326 persons. Four hundred nineteen came to 20 informal gatherings, while the Mason Music Foundation concert, an evening of music arranged by the New England Conservatory, and a commemoration of the centenary of the Harvard Glee Club on 9 May 1958 brought between them audiences totalling more than 500. Altogether, the 64 Academy events held during the year were attended by 2,870 persons.

The use of the house by outside organizations has been carefully restricted so that it may be pleasantly available for informal and spontaneous visits. Eight meetings of non-Academy groups, with an attendance of 322, were held during the year. These were seminars on East Asian Studies and Phagocytosis, a Conference on Business Education, and meetings of the New England Neurosurgical Conference, the Institute on Religion in an Age of Science, the American Institute of Chemists, the Peripatetic Club, and the Chestnut Hill Garden Club, whose members have been extremely helpful in regard to the gardens.

Such figures do not, of course, reflect the constant coming and going to and from the Academy offices, and the editorial office of *Dædalus,* which are installed on the second floor of Faulkner Farm.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

The Executive Officer deserves great credit for the skill and smoothness with which he has adapted the operations of the Academy to new surroundings.

Respectfully submitted,
WALTER MUIR WHITEHILL, *Chairman*

May 14, 1958

Report of the Permanent Science Fund Committee

The Committee met on September 24, 1957, and considered 26 applications for grants-in-aid requesting a total of $32,032.95, of which 11 for a total of up to $9,425 were recommended by the Committee. These 11 grants were approved by the Council on October 1, 1957, as follows:

Grants Approved October 1, 1957

(1) To Theodore P. Bank, II, Executive Director, Institute for Regional Exploration, University of Michigan, Ann Arbor, Mich., for assistance, supplies and travel for an ethno-botanical and toxicological study of aconite poison whaling in the North Pacific, $1,250.

(2) To Arthur J. Boucot, Assistant Professor of Geology, Massachusetts Institute of Technology, Cambridge, Mass., for equipment for stratigraphic correlation of the Silurian and Lower Devonian faunas of the Northern Appalachians and their relations with the standard successions in western Europe, $500.

(3) To William R. Bullard, Jr., Peabody Museum, Harvard University, Cambridge, Mass., for transport and assistance for a survey of prehistoric Maya settlements in the Department of Peten, Guatemala, $1,250.

(4) To Gordon P. DeWolf, Jr., Research Student, Botany School, Cambridge University, Cambridge, England, for travel for a taxonomic revision of the genus *Ficus* (Moraceae) in tropical America, $150.

(5) To Franklin F. Flint, Assistant Professor of Biology, Randolph-Macon Woman's College, Lynchburg, Va., for supplies and travel for study of some factors which determine nuclear behavior during Megagametogenesis in *Lilium*, $800, contingent on his assurance that any further support necessary to enable him to complete his proposed project can be secured from other sources.

(6) To Oscar Hirsch, Consultant in Neuro-Surgery, Massachusetts

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

General Hospital, Boston, Mass., for equipment, assistance, and publication expense for a study of the pituitary problem, $1,500.

(7) To Daniel F. Jackson, Assistant Professor of Biology, Western Michigan University, Kalamazoo, Mich., for equipment for a study of phytoplankton photosynthesis in relation to total alkalinity of water, $925.

(8) To Harry L. Jacobs, Assistant Professor in Psychology, Bucknell University, Lewisburg, Pa., for equipment for a study of the psychophysiology of sugar preferences, $1,000.

(9) To Kathryn McCarthy, Assistant Professor of Physics, Tufts University, Medford, Mass., for equipment, supplies and assistance for a study of the growth of single crystals in the alkali halides, $900.

(10) To Jonathan G. Wegener, Assistant Professor of Psychology, Yale University, New Haven, Conn., for materials and assistance for a study of some integrative functions of the cerebral cortex, $250.

(11) To Wesley W. Wendlandt, Associate Professor of Chemistry, Texas Technical College, Lubbock, Texas, for equipment for the construction of a high-temperature thermobalance utilizing a solar furnace, $900, contingent on his assurance that any further support necessary to enable him to complete his proposed project can be secured from other sources.

On March 3, 1958, the Committee, the Chairmanship of which (during my absence) was served by Dr. Fine most ably, reviewed 27 applications for grants totaling $26,470.74, and recommended to the Council 12 grants totaling up to $10,240 from the Permanent Science Fund. This was approved by the Council at its meeting on March 12, 1958, as follows:

Grants Approved March 12, 1958

(1) To George A. Ball, Assistant Professor of Entomology, University of Alberta, Edmonton, Alberta, Canada, for travel in Alaska in the study of the taxonomy and zoogeography of the species of Cryobius, of up to $1,000, contingent on the amount necessary to supplement other grants to make a total of $3,000 for the project.

(2) To Thomas G. Barnes, Assistant Professor of History, Lycoming College, Williamsport, Pa., for travel, assistance and materials in the study of the court of Star Chamber in the reigns of James I and Charles I, $690.

(3) To Barry N. Floyd, Department of Native Affairs, Southern

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Rhodesia, for travel and subsistence in the study of changing patterns of African land use in Southern Rhodesia, $750.

(4) To Marija Gimbutas, Research Fellow, Harvard University, Cambridge, Mass., for assistance and photocopying to complete a three-volume monograph, "Prehistory of Eastern Europe", $1,000. This does not preclude acceptance of a supplementary application for future work.

(5) To I. Mackenzie Lamb, Director, Farlow Herbarium and Library, Harvard University, Cambridge, Mass., for travel expenses in preparation of a world monograph of the lichen family Stereocaulaceae, $750.

(6) To Daniel J. McDonald, Assistant Professor of Biology, Dickinson College, Carlisle, Pa., for equipment for a study of the interaction between population turnover and changes in the gene frequency in *Tribolium* populations, $850.

(7) To James E. Morrow, Research Associate, Bingham Oceanographic Laboratory, Yale University, New Haven, Conn., for travel for a taxonomic review and revision of the family Istiophoridae, $300.

(8) To Hallam L. Movius, Jr., Professor, Peabody Museum of Harvard University, Cambridge, Mass., for travel for a field assistant in a study of the origin and development of Upper Palaeolithic culture in western Europe, $500.

(9) To Daphne A. Roe, Research Associate, Physiology Department, Vassar College, Poughkeepsie, N. Y., for equipment in the study of the biological importance of a fibrous protein extracted from the human epidermis, $1,400, contingent on her assurance that any further support necessary to enable her to carry out her proposed project can be secured from other sources.

(10) To Francis O. Schmitt, Professor of Biology, Massachusetts Institute of Technology, Cambridge, Mass., for assistance for an investigation and analysis of quantum physics and mechanistic philosophy, $1,500.

(11) To Hermann Schöne, Research Associate, Max-Planck-Institut, Wilhelmshaven, Germany, for travel, assistance and supplies in a study of the role of the statocysts and of the eyes in the orientation of mollusks and of deep-sea crustaceans, $1,000, contingent on his assurance that any further support necessary to enable him to carry out his proposed project can be secured from other sources.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

(12) To Jesse C. Thompson, Jr., Assistant of Biology, Hollins College, Hollins, Va., for equipment in a morphological study of the holotrichous ciliates, especially of the mouth ciliature, $500.

Respectfully submitted,
HARLOW SHAPLEY, *Chairman*

May 14, 1958

Report of the Committee on Publication

The Committee on Publication (consisting of George R. Harrison, Clyde Kluckhohn, Alfred S. Romer, Edward A. Weeks, and the Editor of the Academy) has had two meetings. The range of Academy publications was discussed, including the quarterly journal, *Dædalus*, the newly-inaugurated separate summer publication incorporating the *Records of the Academy*, the *Bulletin*, the *Memoirs*, and other Academy-sponsored monographs.

During the past year, four issues of *Dædalus* have appeared, all issued as the Proceedings of the Academy: Volume 86, Nos. 3 and 4, assembled and seen through the press by the former Editor, Mr. Whitehill, and, since January 1958, Volume 87, Nos. 1 and 2. The main achievement during the past year was the continuation of the effort to make our journal, *Dædalus*, into a vigorous and authoritative quarterly, implementing the decision of an earlier Committee on Publication to publish "articles of broader interest that might conceivably prove attractive to Fellows in various classes, and to general readers outside the Academy." A distinguished Board of Editors has been appointed. A statement of the editorial policy was published in the winter issue 1958. The response of Fellows and other readers to our efforts so far has been gratifying. During the next few issues, we shall try several different approaches to find the full extent of suitable content, procedure, organization, and accent. Especially in this period of flexibility and experimentation, comments from Fellows will be most valuable and are seriously requested.

In May 1956, Mr. Whitehill reported, "We hope that regular quarterly publication may become possible, but the editing of such a journal is more than present Academy funds or the time of a volunteer editor, with other things to do, will permit." I can now report that I have experimentally verified this statement; indeed, I am willing to grant the statement the status of an Absolute Truth. When I

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

accepted the office of Editor in 1957, I was counting on Professor Philip Rieff of Brandeis University to do most of the work on *Dædalus*. However, in response to a call which could not be refused, he moved to California in September 1957; the major part of the work therefore still had to be handled by the Academy office.

I am therefore happy to report that a very substantial contribution to the publishing functions of the Academy was made recently by Wesleyan University Press in Middletown, Connecticut. In consultation with its President, Raymond Walsh, and its Manager, Willard Lockwood, and with the advice of Academy Fellows Earl Stevenson, Arthur Sutherland, Victor Butterfield, and Kirtley Mather, the Wesleyan University Press has agreed to a proposal by the present Editor of the Academy to Wesleyan to take on the production, distribution, and promotion of the journal, starting with the summer issue of 1958. Wesleyan will also make available funds to help cover the editorial functions of the Academy, and a small honorarium for authors. *Dædalus* will, of course, continue to belong to the Academy; and all editorial responsibility (up to the styling of manuscripts for the printer) remains with the editorial office of the Academy. The generous offer of Wesleyan University Press, however, does take an enormous financial and physical burden from our shoulders.

Two other developments in the past year are noteworthy. Beacon Press of Boston has signed a contract with the Academy to bring out next fall the main contents of the winter 1958 issue of *Dædalus* under the title *Science and the Modern Mind*, using the type set previously for *Dædalus*. An arrangement of this kind has the advantages of larger distribution, greater permanence, inexpensive book production, and royalty income; we hope to make similar arrangements for future issues of *Dædalus*.

Since *Dædalus* was not intended to present scholarly essays of the type that can gain the interest and understanding of only a small number of fellow-specialists, it is now doubly important that the Academy publications program provide some other method of helping in the publication of strictly scholarly work. A study is now being made concerning methods of financing and publishing scholarly monographs jointly with other qualified organizations.

The Editor wishes to express his sincere gratitude to two persons who have been indispensable in his work: Thomas Todd, printer, of

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Boston, for exceptional courtesy and great skill in the production of the past issues of *Dædalus;* and Ralph Burhoe, Executive Officer of the Academy, for untiring assistance on every occasion.

Respectfully submitted,
GERALD HOLTON, *Editor*

May 14, 1958

Report of the Rumford Committee

Last year's Rumford Committee recommended that applications to the Rumford Fund should not be solicited and that an attempt be made to maintain the value of the principal at the rate at which the country's economy is inflating. This year's Committee has followed this recommendation; and despite the fact no applications were solicited, three were received. Two were turned down on the basis of not being within the field of research in heat and light in America, and a third was turned down for lack of scientific merit.

The Committee has prepared a detailed recommendation on the operation of the Rumford Committee in regard to grants-in-aid for research. This report has been submitted to the Council of the Academy and is reproduced below under the caption *Rumford Fund History and Policy*. The recommendation in brief is the following:

1. Grants-in-aid for research should not be solicited and should, in general, not be given unless they fall very specifically into the field which Count Rumford specified in his original grant.

2. The accumulated funds should be used to increase the monetary prize given in connection with the Rumford Medal. It is the recommendation of this Committee that future prizes be not less than $5,000 and that this be increased whenever possible.

The Rumford Committee during the year acted as an intermediary for the funds of the Moonwatch Project carried out through the Harvard Observatory. The Committee received funds solicited by the Moonwatch Project for its work in tracking satellites and expended some of the funds thus received. These funds were kept completely separate from the Rumford Fund.

Rumford Fund History and Policy

To the Honourable John Adams Esq.
President of the American Academy of Arts and Sciences
Sir:

Desirous of contributing efficaciously to the advancement of a branch of science which has long employed my attention, and which appears to

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

me to be of the highest importance to mankind, and wishing at the same time to leave a lasting testimony of my respect for the American Academy of Arts and Sciences, – I take the liberty to request that the Academy would do me the honor to accept of Five Thousand Dollars three per cent stock in the funds of the United States of North America, which stock I have actually purchased, and which I beg leave to transfer to the Fellows of the Academy, to the end that the interest of the same may be by them, and by their successors, received from time to time, for ever, and the amount of the same applied and given once every second year as a premium to the author of the most important discovery or useful improvement which shall be made and published by printing, or in any way made known to the public, in any part of the continent of America, or in any of the American islands, during the preceeding two years, on *Heat* or on *Light*, the preferance always being given to such discoveries as shall in the opinion of the Academy tend most to promote the good of mankind.

With regard to the formallities to be observed by the Academy in their decisions upon the comparative merits of those discoveries which in the opinion of the Academy may intitle their authors to be considered as competitors for this biennial premium, the Academy will be pleased to adopt such regulations as they in their wisdom may judge to be proper and necessary. – But in regard to the form in which this premium is conferred, I take the liberty to request that it may always be given in *two medals*, struck in the same dye, the one of *gold*, and the other of *silver*, and of such dimensions that both of them together may be just equal in intrinsic value to the amount of the interest of the aforesaid Five Thousand Dollars stock during two years; – that is to say, that they may together be of the value of Three Hundred Dollars.

The Academy will be pleased to order such devise or inscription to be engraved on the dye they shall cause to be prepared for striking these medals, as they may judge proper.

If during any term of two years, reckoning from the last adjudication, or from the last period for the adjudication of this premium by the Academy, no new discovery or improvement should be made in any part of America, relative to either of the subjects in question, (*Heat* or *Light*,) which, in the opinion of the Academy, shall be of sufficient importance to deserve this premium, in that case, it is my desire that the premium *may not be given*, but that the value of it may be reserved and being laid out in the purchase of additional stock in the American funds may be employed to augment the capital of this premium, and that the interest of the sums by which the capital may from time to time be so augmented may regularly be given *in money* with the two medals and as an addition to the original premium, at each succeeding adjudication of it. – And it is farther my particular request that those additions to the value of the

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

premium arising from its occasional non-adjudications may be suffered to increase without limitation.

With the highest respect for the American Academy of Arts and Sciences and the most earnest wishes for their success in their labours for the good of mankind.

I have the honor to be, with much Esteem and Regard,

Sir,

Your most Obedient
Humble Servant

London, 12th July 1796. RUMFORD.

The Academy eagerly accepted this gift from Count Rumford; and as we all know, the Rumford Fund has become one of the most time-honored funds which the Academy controls. At the time of its donation, it was the largest single gift for the encouragement of science that had been made, not only in this country, but in Europe as well. Nevertheless, the conditions of the gift were so specific that Rumford Fund Committees have had difficulty with its details ever since it was originally presented to the Academy.

The present Rumford Committee's proposal for solving current difficulties appears below in a later section of this report. In order to understand the situation we are facing, the following historical background may be useful.

In the first paragraph, we find the following statement: "the amount of the same applied and given once every second year as a premium to the author of the most important discovery or useful improvement . . . during the preceeding two years on *Heat* or on *Light*." This was the first stumbling block to giving the Rumford Premium and was so serious that by 1829 no Rumford Medal had been awarded. A Committee of the Academy was formed to look into the matter. As a result of their study, the Academy applied to the Supreme Court of Massachusetts for relief from this condition of the gift. In a case argued on the 18th of May, 1832, before Judge Shaw, the Academy's President, Nathaniel Bowditch, stated in part: "your orators further show to your Honors, that the said instructions and directions expressed in the said letter of said donor cannot . . . be strictly and literally complied with and performed; because discoveries . . . of sufficient importance . . . cannot be made as often as once in two years, and because it is not often practicable within the space of two years after the discoveries or improvements are first made public to determine whether they are of sufficient importance to deserve said

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

premiums or not." The opinion delivered by Judge Shaw relieved the Academy of the impractical features, while at the same time fully retaining the spirit of Count Rumford's gift. "It is therefore by the court ordered . . . that the plaintiffs may appropriate from time to time, as the same can advantageously be done, the residue of the income of said fund hereafter to be received . . . to the purchase of such books and papers and philosophical apparatus (to be the property of said Academy) and in making such publications or procuring such lectures, experiments, or investigations, as shall in their opinion best facilitate and encourage the making of discoveries and improvements which may merit the premium so as aforesaid to be by them awarded. . . ." With this change in the conditions of the gift, the Rumford Fund for the encouragement of research in heat and light through grants-in-aid was established. It has been used for this purpose ever since.

In this same decision, Judge Shaw relieved the Academy of an embarrassment resulting from part of Rumford's fourth paragraph. The letter specifies that, when the premium is not given, the money shall be invested and added to the capital, and that "the interest of the sums by which the capital may from time to time be so augmented may regularly be given *in money* with the two medals and as an addition to the original premium, at each succeeding adjudication of it. . . ." By failing to give the medal for thirty-three years, the Academy had added $15,000 of capital to Rumford's original gift. Interest for two years on this additional capital was an impressive sum for those days. Rumford's directions to give it as a money prize with the medals made the problem of finding a deserving recipient even more impossible for the Academy's committee. Judge Shaw's decision freed them from this obligation with regard to the interest on the additional capital at the same time as it gave them the power to use all the interest in the ways described above.

In Rumford's third paragraph he says, "The Academy will be pleased to order such devise or inscription to be engraved on the dye they shall cause to be prepared for striking these medals, as they may judge proper." Simultaneous with Rumford's gift to the American Academy of Arts and Sciences, he presented one thousand pounds to the Royal Society of London under identical conditions. The Royal Society also found some difficulty with the conditions of the donation, but by correspondence with Count Rumford, and finally

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

placing him on their committee, they arrived at a working condition, so that by 1802 they awarded the first Rumford Medal to Count Rumford himself. When the first Rumford Medal from the Academy was given, the die which was prepared was essentially copied from that prepared much earlier by the Royal Society for the same purpose.

Rumford's fourth paragraph says in part, "If during any term of two years . . . no new discovery or improvement should be made in any part of America . . . which, in the opinion of the Academy, shall be of sufficient importance to deserve this premium, in that case, it is my desire that the premium *may not be given*, but that the value of it may be reserved and being laid out in the purchase of additional stock in the American funds may be employed to augment the capital of this premium." Although in 1796 U. S. Government bonds were an excellent investment, the investment counsel of the Academy in general has been so good that the return from the principal of the Rumford Fund was much less than those of the general investment funds of the Academy. In 1954 the Academy again applied to the Supreme Court of Massachusetts for permission to change this condition of Rumford's gift to allow them to make better use of the principal of the fund. Here again, the Court saw fit to relieve the Academy of this particular condition and rendered the following decision on April 20, 1955:

"And it is further ordered, adjudged and decreed, that the said fund, or any part thereof, may be from time to time invested by the said plaintiffs in such funds as are legal investments for trustees in Massachusetts."

In the preceding discussion, we have seen some of the difficulties which have arisen from the rigid specifications in Count Rumford's original gift. However, in the more than a hundred and twenty-five years which have elapsed since the first Court changes in the terms of this gift, the changes themselves have caused new problems, specifically in the granting of funds for research in heat and light. The productive areas of research have changed so much since Rumford's day that a strict adherence to the subjects of "heat and light" would follow the letter but by no means the spirit of Rumford's intent. The Rumford Committees have struggled with this dilemma on many occasions, both in choosing the Rumford medalist and in awarding grants-in-aid.

With reference to the Rumford Medal itself, the Rumford Committee wrestled with the problem in the early 1920's of expanding

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

the definition of light to all forms of radiant energy. This broad definition was accepted with the presentation to Arthur Holly Compton in 1926 of the Rumford Medal for his research in Roentgen rays. The same discussion was held again in the early 1950's, and the definition was further broadened by the inclusion of nuclear phenomena with the prize to Enrico Fermi in 1953.

Although the discussion within the Committee relative to the field for which the medals could be given was vigorous, the more serious question facing committees in recent years has been the appropriateness of modern fields of research for support by grants-in-aid from the Rumford Fund. The problem arises not only from the subject matter but also from the fact that heat and light, broadly defined, fall in a field in which large grants of money from the Federal Government are readily available; and the Rumford Fund has become of comparatively minor importance in the stimulation of science. As a historian of Rumford's life and work, I am disturbed by the deterioration of impact which the Rumford Fund can make, and I am very much aware that the Rumford Committee is not arranging the use of Rumford's money in a way significant enough to be carrying out Rumford's original purpose.

A careful analysis of the recent history of Rumford's grants will, I think, illustrate the point. From 1905 to 1940, the average number of grantees per year was seven, ranging from a high of twelve in 1917 to a low of two in 1926. During that period, the seven successful grants were culled from a large number of applications, many of which were rejected not for their lack of excellence but for their inapplicability to the subjects of heat and light. During that time, the average stipend rose from $220 in 1905 to $300 in 1940. Although a study of the grants in this period shows the number of grantees to be very constant, a great change occurred after the last war. The average number of grants dropped to three, and the average amount of money rose from $400 in 1947 to $1,000 in 1957. The number of applications dropped so markedly that almost all applications which were in any way reasonable were granted, and the quality of these applications has been dropping very markedly.

In their 1957 Annual Report, the Rumford Committee wrote in part: "Because of the accelerated rise of the cost of research, it is obvious from a study of this nature that although the size of the average Rumford grant has increased fivefold in the last fifty years, these grants are negligible in size for physics grants today. It was the

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

opinion of the Committee, after a considerable amount of discussion, that at a time when research money is relatively available in much larger amounts, requests for grants from the Rumford Fund should not be solicited. Instead, an attempt to maintain the value of the principal at the rate at which the country's economy is inflating would be the wisest procedure at the present time. It appeared to us that the money which was given by Count Rumford to the Academy had a better long-time stability than the relatively available research funds in our present national prosperity and, therefore, in times of national prosperity, wisdom should dictate that we build up our principal, so that when research funds are not available, the Rumford Fund can again make real contributions to science as it has at times in the past."

Although the path of least resistance for the Rumford Committee is to let the interest accumulate and simply wait until the national economy again makes the Rumford Fund attractive to research physicists of high caliber, it does not seem to me that we are carrying out the responsibilities which have been given to us, through the Academy, by Count Rumford. With the agreement of the present Rumford Committee, I propose that future committees seriously consider the following recommendations:

1. We solicit no grants-in-aid for the Rumford Fund but keep available sufficient funds so that if suitable applications are made with solicitation which are worthy of Rumford's money the Committee would be in a position to grant up to several thousand dollars.

2. More emphasis be placed on the Rumford Premium; in particular, a monetary prize of considerable size should be associated with the Rumford Medal. The legality of presenting a monetary prize associated with the Rumford Medals was reaffirmed by the Supreme Court decision of 1955; and in the last Rumford Medal presentation to Chandrasekhar, a thousand dollars went with the Medal. I believe, however, that it would be more in keeping with Rumford's thinking to make this much larger, and that a prize of not less than five thousand dollars, for the present, should be considered. In future years when more money may be available from the invested funds, this amount of money should be further increased so that the size of the monetary prize may be as spectacular as possible. It is just this kind of spectacular prize that Rumford himself was trying to set up, and which seems to have been lost in the intervening years as Rumford's own personality has become less and less real to those who have the responsibility of giving Rumford Medals. The sugges-

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

tion of five thousand dollars at the present time would still leave the Committee with sufficient money to give some grants-in-aid, as well as the reserve funds needed both to keep the principal from depreciating in an inflationary economy, and to pay various expenses which always arise in connection with presenting Rumford Medals biennially.

Respectfully submitted,

SANBORN C. BROWN, *Chairman*

May 14, 1958

Report of the Cyrus M. Warren Fund Committee

The Committee met on September 24, 1957, and considered applications for grants-in-aid. Two grants for a total of $2,100 were recommended by the Committee, and this was approved by the Council at its meeting on October 1, 1957, as follows:

Grants Approved October 1, 1957

(1) To William D. Easterly, Jr., Assistant Professor of Pharmacy, University of Arkansas, Little Rock, Ark., for supplies and assistance for synthesis and testing of some amide derivatives of Bromal and Dichloroacetaldehyde, $500.

(2) To James H. Gilford, Assistant Professor of Biology, Gettysburg College, Gettysburg, Pa., for apparatus and supplies for biochemical studies on free-living Nematodes, $1,600.

The Committee met on March 3, 1958, and considered applications for grants-in-aid. Two grants for a total of $1,030 were recommended by the Committee, and this was approved by the Council at its meeting on March 12, 1958, as follows:

Grants Approved March 12, 1958

(1) To Joseph Judis, Assistant Professor of Pharmacy, University of Toledo in Ohio, for equipment and materials in the study of mutagenic and toxic effects of photodynamic irradiation on bacteria, $500.

(2) To Martin Levey, Instructor of Mathematics, Temple University, Philadelphia, Pa., for materials, travel and assistance to activate an organization for research in archeological chemistry, $530.

Respectfully submitted,

HARLOW SHAPLEY, *Chairman*

May 14, 1958

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

New Members Elected 14 May 1958

FELLOWS – 132

CLASS I – MATHEMATICAL AND PHYSICAL SCIENCES – 42

SECTION 1 – *Mathematics* – 6

Alberto Pedro Calderon
Massachusetts Institute of Technology, Cambridge, Mass.
William Feller — Princeton University, Princeton, N. J.
Kurt Otto Friedrichs — New York University, New York, N. Y.
William Schumacher Massey — Brown University, Providence, R. I.
Deane Montgomery — Institute for Advanced Study, Princeton, N. J.
John Torrence Tate, Jr. — Harvard University, Cambridge, Mass.

SECTION 2 – *Physics* – 10

Luis Walter Alvarez — University of California, Berkeley, Calif.
Freeman John Dyson — Institute for Advanced Study, Princeton, N. J.
Richard Phillips Feynman — California Institute of Technology, Pasadena, Calif.
George Graham Harvey
Massachusetts Institute of Technology, Cambridge, Mass.
Karl Ferdinand Herzfeld — Catholic University of America, Washington, D. C.
Francis Eugene Low — Massachusetts Institute of Technology, Cambridge, Mass.
Robert Warren Morse — Brown University, Providence, R. I.
Karl Strauch — Harvard University, Cambridge, Mass.
Robert Walter Williams
Massachusetts Institute of Technology, Cambridge, Mass.
Richard Wilson — Harvard University, Cambridge, Mass.

SECTION 3 – *Chemistry* – 5

Melvin Calvin — University of California, Berkeley, Calif.
Henry Eyring — University of Utah, Salt Lake City, Utah
Joseph Edward Mayer — University of Chicago, Chicago, Ill.
Kenneth Sanborn Pitzer — University of California, Berkeley, Calif.
Glenn Theodore Seaborg — University of California, Berkeley, Calif.

SECTION 4 – *Astronomy* – 1

Paul Willard Merrill — Mount Wilson Observatory, Pasadena, Calif.

SECTION 5 – *Earth Sciences* – 7

Victor Hugo Benioff — California Institute of Technology, Pasadena, Calif.
Harold Williams Fairbairn
Massachusetts Institute of Technology, Cambridge, Mass.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Helmut Erich Landsberg — U. S. Weather Bureau, Washington, D. C.
Gordon James Fraser MacDonald — Massachusetts Institute of Technology, Cambridge, Mass.
Roger Revelle — Scripps Institution of Oceanography, La Jolla, Calif.
Vilhjalmur Stefansson — Dartmouth College, Hanover, N. H.
James Burleigh Thompson, Jr. — Harvard University, Cambridge, Mass.

Section 6 — *Engineering Sciences and Technologies* — 13

Allen Varley Astin — National Bureau of Standards, Washington, D. C.
Bernard Budiansky — Harvard University, Cambridge, Mass.
Lan Jen Chu — Massachusetts Institute of Technology, Cambridge, Mass.
Albert George Henry Dietz — Massachusetts Institute of Technology, Cambridge, Mass.
Hugh Latimer Dryden — National Advisory Committee for Aeronautics, Washington, D. C.
Robert Mario Fano — Massachusetts Institute of Technology, Cambridge, Mass.
Carl Frederick Floe — Massachusetts Institute of Technology, Cambridge, Mass.
Raymond David Mindlin — Columbia University, New York, N. Y.
Bernard Emerson Proctor — Massachusetts Institute of Technology, Cambridge, Mass.
Ronald Samuel Rivlin — Brown University, Providence, R. I.
Hunter Rouse — State University of Iowa, Iowa City, Iowa
William Rees Sears — Cornell University, Ithaca, N. Y.
Laurens Troost — Massachusetts Institute of Technology, Cambridge, Mass.

Class II — Biological Sciences — 27

Section 1 — *Biophysics and Biochemistry* — 7

Philip Hauge Abelson — Carnegie Institution, Washington, D. C.
Christian Boehmer Anfinsen — National Heart Institute, Bethesda, Md.
Mahlon Bush Hoagland — Massachusetts General Hospital, Boston, Mass.
Martin David Kamen — Brandeis University, Waltham, Mass.
Nathan Oram Kaplan — Brandeis University, Waltham, Mass.
Cyrus Levinthal — Massachusetts Institute of Technology, Cambridge, Mass.
Alton Meister — Tufts University School of Medicine, Boston, Mass.

Section 2 — *Botany and Bacteriology* — 3

David Mahlon Bonner — Yale University, New Haven, Conn.
Bernard David Davis — Harvard Medical School, Boston, Mass.
Rollin Douglas Hotchkiss — Rockefeller Institute, New York, N. Y.

Section 3 — *Zoology* — 3

Marston Bates — University of Michigan, Ann Arbor, Mich.
Colin Stephenson Pittendrigh — Princeton University, Princeton, N. J.
Marcus Singer — Cornell University, Ithaca, N. Y.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Section 4 — *Physiology and Experimental Psychology* — 4

Theodore Holmes Bullock	University of California, Los Angeles, Calif.
Robert Galambos	Walter Reed Army Institute of Research, Washington, D. C.
Ernest Ropiequet Hilgard	Stanford University, Stanford, Calif.
Stephen William Kuffler	Johns Hopkins University, Baltimore, Md.

Section 5 — *Medicine* — 10

Paul Bruce Beeson	Yale University, New Haven, Conn.
Francis James Braceland	Institute of Living, Hartford, Conn.
Henry Walter Brosin	University of Pittsburgh, Pittsburgh, Pa.
Charles Sprecher Davidson	Harvard Medical School, Boston, Mass.
Tinsley Randolph Harrison	College of Alabama, Birmingham, Ala.
Thomas Harrison Hunter	University of Virginia School of Medicine, Charlottesville, Va.
Franc Douglas Ingraham	Harvard Medical School, Boston, Mass.
William Claire Menninger	Menninger Foundation, Topeka, Kansas
David McKenzie Rioch	Walter Reed Army Institute of Research, Washington, D. C.
William Barry Wood	Johns Hopkins University, Baltimore, Md.

CLASS III — Social Arts and Sciences — 36

Section 1 — *Social Relations* — 2

Leonard Chapin Mead	Tufts University, Medford, Mass.
Richard Lester Solomon	Harvard University, Cambridge, Mass.

Section 2 — *Economics* — 6

Abram Bergson	Harvard University, Cambridge, Mass.
Robert Lyle Bishop	Massachusetts Institute of Technology, Cambridge, Mass.
Wassily Wassilyovitch Leontief	Harvard University, Cambridge, Mass.
Ragnar Nurkse	Columbia University, New York, N. Y.
Theodore William Schultz	University of Chicago, Chicago, Ill.
James Tobin	Yale University, New Haven, Conn.

Section 3 — *Political Science* — 6

Stephen Kemp Bailey	Princeton University, Princeton, N. J.
Leo Gross	Fletcher School of Law and Diplomacy, Tufts University, Medford, Mass.
Earl Latham	Amherst College, Amherst, Mass.
Hans Joachim Morgenthau	University of Chicago, Chicago, Ill.
Clinton Lawrence Rossiter	Cornell University, Ithaca, N. Y.
Elmer Eric Schattschneider	Wesleyan University, Middletown, Conn.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Section 4 — *Law* — 5

Benjamin Kaplan	Harvard Law School, Cambridge, Mass.
William Luke Marbury	American Law Institute, Baltimore, Md.
Paul Cashman Reardon	Superior Court of Massachusetts, Boston, Mass.
Elliot Lee Richardson	U. S. Department of Health, Welfare and Education, Washington, D. C.
Arthur Easterbrook Whittemore	Supreme Court of Massachusetts, Boston, Mass.

Section 5 — *Administration and Affairs* — 17

Joseph Warren Barker	Research Corporation of America, New Rochelle, N. Y.
Edward Pennell Brooks	Massachusetts Institute of Technology, Cambridge, Mass.
Louis Wellington Cabot	Godfrey L. Cabot, Incorporated, Boston, Mass.
Lucius Dubignon Clay	Continental Can Company, New York, N. Y.
James Stacy Coles	Bowdoin College, Brunswick, Maine
Ralph Jarron Cordiner	General Electric Company, Stamford, Conn.
Paul Doguereau	Mason Music Foundation, Cambridge, Mass.
Cyrus Stephen Eaton	Chesapeake and Ohio Railway Company, Cleveland, Ohio
Byron Kauffman Elliott	John Hancock Mutual Life Insurance Company, Boston, Mass.
Joseph Austin Erickson	Federal Reserve Bank of Boston, Boston, Mass.
Clarence Henry Faust	Ford Foundation, New York, N. Y.
Thomas Keith Glennan	Case Institute of Technology, Cleveland, Ohio
James Lawrence, Jr.	Child, Lawrence and Shannon, Boston, Mass.
Neil Hosler McElroy	U. S. Secretary of Defense, Washington, D. C.
Jean Paul Mather	University of Massachusetts, Amherst, Mass.
Frank Pace, Jr.	General Dynamics Corporation, Greenwich, Conn.
Warren Weaver	Rockefeller Foundation, New York, N. Y.

CLASS IV — Humanities — 27

Section 1 — *Philosophy and Theology* — 4

James Luther Adams	Harvard Divinity School, Cambridge, Mass.
Robert Lowry Calhoun	Yale University, New Haven, Conn.
Roderick Milton Chisholm	Brown University, Providence, R. I.
Herbert Gezork	Andover Newton Theological School, Newton Centre, Mass.

Section 2 — *History and Archaeology* — 11

Samuel Flagg Bemis	Yale University, New Haven, Conn.
Richard Nelson Frye	Harvard University, Cambridge, Mass.
Henry Edward Guerlac	Cornell University, Ithaca, N. Y.
Henry Stuart Hughes	Harvard University, Cambridge, Mass.
Ernst Hartwig Kantorowicz	Institute for Advanced Study, Princeton, N. J.
Richard Krautheimer	New York University, New York, N. Y.
Frederick Merk	Harvard University, Cambridge, Mass.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Sidney Painter	Johns Hopkins University, Baltimore, Md.
Robert Roswell Palmer	Princeton University, Princeton, N. J.
Owsei Temkin	Johns Hopkins University, Baltimore, Md.
Comer Vann Woodward	Johns Hopkins University, Baltimore, Md.

Section 3 — *Philology and Criticism* — 6

Herschel Clay Baker	Harvard University, Cambridge, Mass.
Reuben Arthur Brower	Harvard University, Cambridge, Mass.
Herbert Ross Brown	Bowdoin College, Brunswick, Maine
Curt Ferdinand Buhler	Pierpont Morgan Library, New York, N. Y.
Harold Fredrik Cherniss	Institute for Advanced Study, Princeton, N. J.
René Wellek	Yale University, New Haven, Conn.

Section 4 — *Fine Arts and Literature* — 6

Edward Estlin Cummings	New York, N. Y.
Dudley Fitts	Phillips Academy, Andover, Mass.
Arthur William Heintzelman	Boston Public Library, Boston, Mass.
Everett Harold Hugo	Meriden Gravure Company, Meriden, Conn.
May Sarton	Cambridge, Mass.
Virgil Thomson	New York, N. Y.

FOREIGN HONORARY MEMBERS — 29

CLASS I — Mathematical and Physical Sciences — 8

Section 1 — *Mathematics* — 2

William Vallance Douglas Hodge	Pembroke College, Cambridge, England
Michael James Lighthill	University of Manchester, Manchester, England

Section 2 — *Physics* — 3

Homi Jehangir Bhabha	Tata Institute of Fundamental Research, Bombay, India
Louis Victor de Broglie	Université de Paris, Paris, France
Werner Carl Heisenberg	University of Göttingen, Göttingen, Germany

Section 3 — *Chemistry* — 1

Sir Christopher Kelk Ingold	University of London, London, England

Section 4 — *Astronomy* — 1

Victor A. Ambartsumian	U.S.S.R. Academy of Sciences, Erevan, Armenia

Section 5 — *Earth Sciences* — 1

Jean Goguel	French Geological Survey, Paris, France

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

CLASS II — Biological Sciences — 10

Section 1 — *Biophysics and Biochemistry* — 2

Dorothy Crowfoot Hodgkin — Oxford University, Oxford, England
Frederick Sanger — Institute of Biochemistry, Cambridge, England

Section 2 — *Botany and Bacteriology* — 3

Sir (Frank) Macfarlane Burnet — Royal Melbourne Hospital, Melbourne, Australia
André Michel Lwoff — Pasteur Institute, Paris, France
Guido Pontecorvo — University of Glasgow, Glasgow, Scotland

Section 3 — *Zoology* — 2

Boris Ephrussi — Paris, France
H. E. Karl Jordan — Trig, Herts, England

Section 4 — *Physiology and Experimental Psychology* — 3

Sir Frederick Bartlett — Cambridge University, Cambridge, England
Frederick Bremer — University of Brussels, Brussels, Belgium
Hans Hermann Weber — Max Planck Institut für Physiologie, Heidelberg, Germany

CLASS III — Social Arts and Sciences — 5

Section 1 — *Social Relations* — 1

E. E. Evans-Pritchard — Oxford University, Oxford, England

Section 2 — *Economics* — 2

John Richard Hicks — Oxford University, Oxford, England
Gunnar Karl Myrdal — Stockholm, Sweden

Section 3 — *Political Science* — 1

Sir Ernest Barker — Cambridge, England

Section 4 — *Law* — 1

John Humphrey Carlile Morris — Oxford University, Oxford, England

CLASS IV — Humanities — 6

Section 1 — *Philosophy and Theology* — 2

Charlie Dunbar Broad — Cambridge University, Cambridge, England
Karl Jaspers — University of Basel, Basel, Switzerland

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

SECTION 2 — *History and Archaeology* — 2

Pieter Geyl — University of Utrecht, Utrecht, Netherlands
Sir Charles Kingsley Webster — London, England

SECTION 3 — *Philology and Criticism* — 1

Bernhard Berenson — Florence, Italy

SECTION 4 — *Fine Arts and Literature* — 1

Edward Morgan Forster — Cambridge, England

Officers and Committeemen Elected 14 May 1958

Officers

To serve for one year

Kirtley F. Mather, *President*
R. Bruce Lindsay, *Vice-President of Class I*
Joseph C. Aub, *Vice-President of Class II*
Nils Y. Wessell, *Vice-President of Class III*
W. G. Constable, *Vice-President of Class IV*
Bruce H. Billings, *Secretary*
Thomas B. Adams, *Treasurer*
Gerald Holton, *Editor*
Walter M. Whitehill, *Librarian*

Councillors

To serve for four years

Harlow Shapley, I:4
Russell Gibson, I:5
Jerome S. Bruner, III:1
Bailey Aldrich, III:4
Harold C. Case, IV:1

Amory Prize Committee

To serve for one year

Edwin B. Wilson, *Chairman*
Bailey Aldrich
Edwin B. Astwood
J. Hartwell Harrison
Roy G. Hoskins
George W. Thorn
Shields Warren

Nominating Committee

To serve for three years

Arthur A. Vernon, *Class I*
J. H. Means, *Class II*
T. North Whitehead, *Class III*
George H. Williams, *Class IV*

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Auditing Committee
To serve for two years
Paul F. Clark

Finance Committee
To serve for two years
William H. Claflin
Ralph E. Freeman

House Committee
To serve for three years
George L. Stout

Committee on Meetings
To serve for two years
C. Fayette Taylor, *Class I*
Mary A. B. Brazier, *Class II*

Committee on Membership
To serve for two years
George F. Carrier, *Class I*
John R. Raper, *Class II*
Philip Taft, *Class III*
Gardner Cox, *Class IV*

Permanent Science Fund Committee
To serve for three years
I. Amdur
J. Curry Street
John H. Welsh

To serve for one year as Chairman
Patrick M. Hurley

Committee on Publication
To serve for two years
Sanborn C. Brown, *Class I*
Ralph I. Dorfman, *Class II*

Rumford Committee
To serve for three years
Harvey Brooks, *Chairman*
Arthur K. Solomon

C. M. Warren Committee
To serve for three years
I. Amdur
J. Curry Street
John H. Welsh

To serve for one year as Chairman
Patrick M. Hurley

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Proceedings of the American Academy of Arts and Sciences

VOLUME 84

1. Bridgman, P. W.—Effects of Pressure on Binary Alloys, III: Five Alloys of Thallium, Including Thallium-Bismuth. pp. 1-42.

   Bridgman, P. W.—Effects of Pressure on Binary Alloys, IV: Six Alloys of Bismuth. pp. 44-109.

   Bridgman, P. W.—Miscellaneous Effects of Pressure on Miscellaneous Substances. pp. 111-129. July, 1955. $2.35.

2. Bridgman, P. W.—Effects of Pressure on Binary Alloys, V: Fifteen Alloys of Metals of Moderately High Melting Point. pp. 131-177.

   Bridgman, P. W.—Effects of Pressure on Binary Alloys, VI: Systems for the Most Part of Dilute Alloys of High Melting Metals. pp. 179-216. March, 1957. $1.65.

Further issues of Volume 84 to come.

VOLUME 85

1. Officers and Committees, Members, Statutes. pp. 1-68. May, 1955. $1.35.
2. Officers and Committees, Members, Statutes. pp. 69-140. March, 1956. $1.35.
3. Records 1956-1957. pp. 141-246. May, 1957. $2.25.
4. Records 1957-1958. pp. 247-362. May, 1958. $2.25.

This completes Volume 85

VOLUME 86

Dædalus

Four issues, pages 1-352, 1955-1957. $1.75 each.

VOLUME 87

Dædalus, quarterly

1. Science and the Modern World View. pp. 1-140. Winter 1958. $1.75.
2. The American National Style. pp. 1-179. Spring 1958. $1.75.

The Proceedings may be purchased separately as individual issues at the prices designated, or they may be subscribed for at five dollars a volume through Volume 85. Beginning with Dædalus, Volume 86 of the Proceedings, each volume is $6.50. The index, title page and contents ordinarily are published in the last issue of each volume.

For sale by the Academy, 280 Newton Street, Brookline Station, Boston 46, Mass.

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

PRODUCED BY UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED